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CANADA

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
WATER RESOURCES BRANCH



SURFACE WATER SUPPLY OF CANADA

ATLANTIC DRAINAGE

Southeastern Quebec,
New Brunswick, Nova Scotia,
Prince Edward Island and
Newfoundland

WATER YEARS 1958-59 and 1959-60

WATER RESOURCES PAPER No. 130

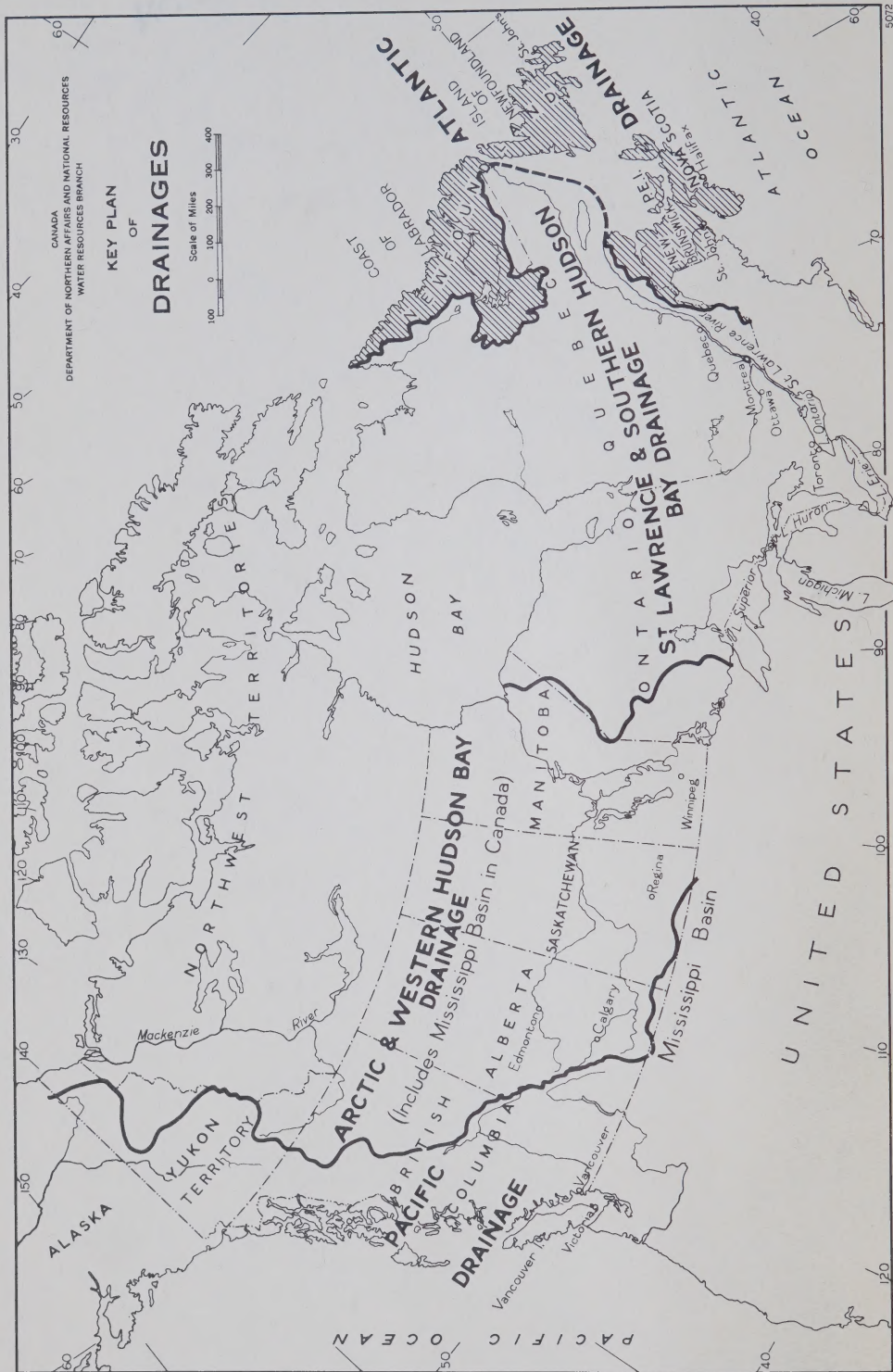
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WATER RESOURCES BRANCH

Water Resources Paper No. 130

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ATLANTIC DRAINAGE

Southeastern Quebec,
New Brunswick, Nova Scotia,
Prince Edward Island
and
Newfoundland

SEE KEY PLAN

WATER YEARS
1958-59 and 1959-60

ISSUED UNDER AUTHORITY OF THE
HONOURABLE WALTER DINSDALE, P.C., M.P.
MINISTER OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
OTTAWA

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PREFACE

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This Paper was prepared by personnel of the Water Resources Branch under the general administrative supervision of the Director, Water Resources Branch, Department of Northern Affairs and National Resources, Ottawa.

Collection and compilation of the basic data for the respective Districts were accomplished under the direction of the following District Engineers:

J. R. Sabourin - Quebec District - Montreal, Quebec

J. E. Peters - Maritime District - Halifax, Nova Scotia

Grateful acknowledgment is made of the co-operation received from agencies of the Provinces of Quebec, New Brunswick, Nova Scotia and Newfoundland and from other organizations.

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31	32	33	34	35	36	37	31	32	33	34	35	36	37	31	32	33	34	35	36	37

CALENDAR FOR WATER YEAR 1958-59

OCTOBER 1958

S	M	T	W	T	F	S
				1	2	3
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

NOVEMBER 1958

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
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DECEMBER 1958

S	M	T	W	T	F	S
						1
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

JANUARY 1959

S	M	T	W	T	F	S
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4	5	6	7	8	9	10
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18	19	20	21	22	23	24
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FEBRUARY 1959

S	M	T	W	T	F	S
1	2	3	4	5	6	7
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MARCH 1959

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

APRIL 1959

S	M	T	W	T	F	S
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5	6	7	8	9	10	11
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MAY 1959

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24	25	26	27	28	29	30
31						

JUNE 1959

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JULY 1959

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AUGUST 1959

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SEPTEMBER 1959

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6	7	8	9	10	11	12
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20	21	22	23	24	25	26
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CALENDAR FOR WATER YEAR 1959-60

OCTOBER 1959

S	M	T	W	T	F	S
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NOVEMBER 1959

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JANUARY 1960

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FEBRUARY 1960

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MARCH 1960

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APRIL 1960

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MAY 1960

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JUNE 1960

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JULY 1960

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AUGUST 1960

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28	29	30	31			

SEPTEMBER 1960

S	M	T	W	T	F	S
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PART I

INTRODUCTION

The Water Resources Branch, Department of Northern Affairs and National Resources, Ottawa, herein presents for the water years 1958-59 and 1959-60, the results of the hydrometric survey investigations which were made on those streams and rivers of Canada which drain to the Atlantic Ocean. The area covered includes that part of south-eastern Quebec which drains to the Atlantic Ocean, and the Provinces of New Brunswick, Nova Scotia and Newfoundland.

ORGANIZATION AND HISTORY OF HYDROMETRIC SURVEY OPERATIONS

During the years covered by this Paper, Hydrometric Survey investigations in the Province of Quebec, New Brunswick, Nova Scotia and Newfoundland, were conducted by the Water Resources Branch under individual co-operative arrangements with each Provincial Government or its agency. Under these arrangements, the provincial authorities contribute to the cost of the basic field investigations which are carried out by the Water Resources Branch in accordance with mutually agreed-upon plans.

In Quebec the earlier hydrometric investigations, dating back to 1906, were carried out by the Provincial Department of Lands and Forests and, commencing in 1913, by the Quebec Streams Commission. In accordance with a co-operative arrangement effective on 1 October 1922, federal basic investigatory work was extended to include the Province of Quebec. This work, now under the jurisdiction of the Water Resources Branch which maintains a District Office in Montreal, is carried out in close co-operation with the Quebec Department of Hydraulic Resources.

In Nova Scotia, from 1915 to 1919, hydrometric investigations were conducted by the Dominion Water Power Branch in co-operation with the Nova Scotia Water Power Commission. A similar co-operative arrangement was made in 1918 with the Province of New Brunswick. On 1 May 1919, new agreements were made between the Government of Canada and the Provinces of New Brunswick, Nova Scotia and Prince Edward Island whereby the Dominion Water Power Branch, which later became the Dominion Water and Power Bureau, assumed responsibility for basic water resources investigations in the three provinces. Following modifications of this agreement in 1933, which called for a greater measure of financial support from these Provinces, work was discontinued in Prince Edward Island and, in New Brunswick, the scope of operations was considerably reduced. A new agreement with the Province of New Brunswick came into effect on 1 April 1951.

Parties to the existing agreements with the Water Resources Branch are the Quebec Department of Hydraulic Resources, the New Brunswick Electric Power Commission, the Nova Scotia Power Commission and the Newfoundland Department of Economic Development. The extension of hydrometric surveys into Newfoundland was one of the conditions under which the Province entered Confederation and an agreement, dated 24 March 1950, for co-operative continuation of these operations was ratified by the Federal Department of Resources and Development and the Provincial Department of Natural Resources.

CO-OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Branch. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable in both countries. These stations are designated as "International Gauging Stations" in Part II.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Resources Branch is indebted to the following organizations:

- Federal - Department of Northern Affairs and National Resources, National Parks Branch; Department of Public Works, Harbours and Rivers Branch.
- Provincial - Quebec Department of Hydraulic Resources, New Brunswick Electric Power Commission, Nova Scotia Power Commission, Newfoundland Department of Economic Development.
- Private - In New Brunswick - Gatineau Power Company, Bathurst Power and Paper Company Limited, St. George Pulp and Paper Company Limited.
In Nova Scotia - Nova Scotia Light and Power Company Limited.
In Newfoundland - Bowater Power Company Limited, Anglo-Newfoundland Development Company Limited, Newfoundland Light and Power Company Limited, United Towns Electric Company Limited, Montreal Engineering Company Limited, British Newfoundland Corporation Limited, Iron Ore Company of Canada.

SCOPE OF PAPER

This Paper is one of a series containing hydrometric survey data for the Atlantic Drainage of Canada as outlined on the frontispiece key map. The Paper contains stream-flow and water-level data for the water years 1958-59 and 1959-60. The particular rivers or lakes for which data are reported herein are listed in the index, Part IV.

All Water Resources Papers, Surface Water Supply of Canada, are designated by official numbers. A complete list of those which have been issued, subdivided according to the four drainages of Canada, is given in Part III. Reference is made in the list to those Papers which contain summaries of mean monthly discharge for the period of record.

At most gauging stations for which data are given herein, records have been compiled for a number of years and their publication extends through a number of previous Water Resources Papers. In some instances, records have been obtained at stations for which observations are not currently being taken. The tabulation "Reference List of Hydrometric Survey Records" in Part III of this Paper is intended to serve as a guide with respect to the rivers and lakes in the Atlantic Drainage for which records are available over an appreciable period of time. The tabulation lists each river or lake, together with the numbers of the Water Resources Papers in which the records were published.

More detailed information regarding individual stations and related records, as well as recent data which have not yet been published, may be obtained upon application to:

District Engineer,
Water Resources Branch,
Department of Northern Affairs
and National Resources,
627 Ralston Building,
P. O. Box 365,
Halifax, Nova Scotia.

District Engineer,
Water Resources Branch,
Department of Northern Affairs
and National Resources,
Room 823,
1165 Bleury St.,
Montreal 1, P. Q.

or to the Director, Water Resources Branch, Department of Northern Affairs and National Resources, Ottawa.

DEFINITION OF TERMS AND ABBREVIATIONS

"Cubic feet per second" (cfs) is the rate of discharge of a stream whose channel is one square foot in cross-section area and whose velocity is one foot per second. It is the basic unit in general use, other units being computed from it by the use of factors as given in a later paragraph under "Convenient Equivalents of Measurement".

"Cubic feet per second per square mile" (cfs/m) is the average number of cubic feet of water flowing per second from each square mile of area drained, on the assumption that the runoff is distributed uniformly in regard to both time and area.

"Runoff Depth in Inches" is the depth to which a drainage area would be covered if all the water flowing from it in a given period were conserved and distributed uniformly on the surface. It is used for comparing runoff with rainfall, which is usually expressed in depth in inches.

"Acre-foot" is the quantity of water required to cover one acre to a depth of one foot and is equal to 43,560 cubic feet.

"Mile-foot" is the quantity of water required to cover one square mile to a depth of one foot and is equal to 640 acre-feet or 27,878,400 cubic feet.

"Stage-discharge relation" is the relation of gauge height or elevation of water surface to discharge.

"Control", "Controlling Section" and "Point of Control" are terms used to designate the section or sections of the stream channel below the gauge which determine the stage-discharge relation at the gauge. The same section or sections may not form the control at all river stages.

METHOD OF TABULATION OF RUNOFF DATA

For most gauging stations where a systematic record of discharge was obtained during the years under review, the following data are given where available:

1. Description of the station.
2. Table of daily discharge, monthly discharge and monthly runoff.
3. Summary of yearly discharge and yearly runoff.

1. The description of the station contains the following:

Location - refers specifically to the location of the gauge and for most stations also represents closely the location of the discharge measurement section. However, if the gauge and the discharge measurement section are located an appreciable distance apart, the location of the discharge measurement section is indicated in relation to that of the gauge under "Measurement of Discharge".

Drainage Area - refers to that area within the watershed which lies upstream of the discharge measurement section.

Gauge - is the installation used to obtain water-level data. For the purpose of reference herein, the various types of gauges are indicated as follows:

- (a) "Recording" - water-stage recorder from which continuous water levels are obtained.
- (b) "Staff", "wire-weight", "tape-weight", "chain" or "slope" - each of which is a manually operated gauge. At these gauges, water-level observations normally are obtained once daily unless otherwise indicated.
- (c) "Measuring point" - a reference point which is sometimes used when only occasional water-level observations are required or which may serve as a temporary means of water-level observation pending the installation of a regular manual or recording gauge.

Attention is called to the fact that the zero of the gauge bears no relation to zero flow or to the bottom of the river.

Measurement of Discharge - refers to the manner in which discharge measurements are obtained, i.e. from cable-way, bridge or boat, or by wading.

Period of Record - refers to the length and continuity of record obtained at the station.

In some instances, a station has been relocated a short distance upstream or downstream from the initial location, generally for the purpose of utilizing more favourable discharge conditions. If the river discharge at the new location is not significantly different from that at the previous location or, if the change in drainage area following such a relocation is insignificant in comparison with the total contributing area upstream of the station, the individual locations are considered as one station and all records are published under one station number; however, the length of record is usually specified for each location of that station.

When reference is made in the description of one station to records which have been obtained at some other station on the same river, such reference appears under "Remarks".

Average Discharge - refers to the average discharge for the number of years indicated. It is based only on complete years of record at those stations for which at least five complete years of record have been obtained.

Extremes Recorded - refers to the extremes of stage or discharge for the period of record.

For stations at which discharge records are obtained, the maximum and minimum daily discharges and, where possible, the maximum instantaneous discharge, are given.

For stations at which only water elevations or gauge heights are obtained, maximum and minimum daily extremes and, where possible, maximum instantaneous extremes, are given.

Revisions - refers to changes made in previously published records. The period for which records were revised is shown. Where the revised records have been published, the number of the Water Resources Paper in which they appear is given. Where such revisions have not been published, the District Engineer who can provide copies of the revised records is specified. Where the revision consists of a change in drainage area, the number of the Paper in which the revision first was published is indicated. It should be noted that a revision of the drainage area changes the figures given for discharge in cubic feet per second per square mile and for runoff depth in inches in previously published records.

Remarks - refers to the accuracy of the current records and may contain other pertinent information not covered elsewhere.

2. The table of daily discharge gives the daily discharge in cubic feet per second corresponding to the daily gauge height or elevation of the water surface at the station. Where observations of water level are made more frequently than once each day or records from a water-stage recorder are available, the mean of the day's readings is used in computing the discharge.

Within the table of daily discharge, the maximum and minimum daily discharges for each month are underlined. When such maximum or minimum discharge occurs more than once during the month, it is underlined only for the earliest date of occurrence.

The following standard symbols are used opposite the daily discharge to which they apply: - "b", ice conditions; - "e", discharge estimated; - "x", recording gauge out of operation and manual gauge used; - "a", the mean of two or more gauge readings was used to obtain corresponding discharge. When the condition applies to more than a few days, only the terminal dates are marked by the symbol. In all cases, appropriate reference to the symbols used is contained in a footnote.

At the bottom of the table of daily discharge are listed the mean monthly discharge, discharge per square mile, and mean monthly runoff for each complete month of record. Discharges are given in cubic feet per second. Mean monthly runoff data are given in acre-feet. For streams in which the discharge at times is very small, the number "0", "0.0" or "0.00" (depending on the number of significant figures used) is used to indicate a discharge below the last significant figure; if the discharge ceases completely, the expression "nil" is used.

3. A summary of the yearly discharge and runoff is given below the table of daily and monthly data. If the records do not cover a complete year, the summary applies to the period for which records were obtained.

ACCURACY OF FIELD DATA AND COMPUTED RESULTS

The accuracy of stream-flow data depends on (1) stability of the stage-discharge relation, or if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge and interpretation of records.

In order to give some indication of the quality of the currently published records, the probable accuracy of the daily record is indicated in the description of the station under "Remarks" as "excellent", "good", "fair" or "poor". The records of monthly and yearly stream flow are, in general, more accurate than the daily records.

CONVENIENT EQUIVALENTS OF MEASUREMENT

The following is a list of convenient equivalents of measurement for use in hydraulic computations:

- 1 mile equals 5,280 feet.
- 1 acre equals 43,560 square feet.
- 1 cubic foot of water weighs 62.4 pounds at 52° F.
- 1 foot per second equals 0.682 mile per hour.
- 1 cubic foot per second equals 6.23 Imperial gallons per second; equals 7.48 United States gallons per second.
- 1 cubic foot per second for one day equals 1.983 acre-feet.
- 1 cubic foot per second for one day covers one square mile to a depth of 0.03719 inch.
- 1 foot equals 0.3048 metre.
- 1 acre equals 0.4047 hectare.
- 1 mile equals 1.60935 kilometres.
- 1 cubic metre per minute equals 0.5886 cubic foot per second.
- 1 horse-power equals 550 foot-pounds per second.
- 1 horse-power equals 76.0 kilogram-metres per second.
- 1 horse-power equals 746 watts or 0.746 kilowatt.
- 1 horse-power equals one cubic foot per second of water falling 8.81 feet.

Available water power at a site may be determined approximately as follows:

Cubic feet per second x fall in feet ÷ 10 = net horsepower from water wheel, realizing 88% of theoretical power.

CONVERSION TABLES

Table for converting Velocity in Feet per Second into Velocity in Miles per Hour.

Feet Per Second Units	Feet Per Second - Tenths									
	0	1	2	3	4	5	6	7	8	9
	Miles per Hour									
0.	0.000	0.068	0.136	0.205	0.273	0.341	0.409	0.477	0.545	0.614
1.	0.682	0.750	0.818	0.886	0.955	1.023	1.091	1.159	1.227	1.295
2.	1.364	1.432	1.500	1.568	1.636	1.705	1.773	1.841	1.909	1.977
3.	2.045	2.114	2.182	2.250	2.318	2.386	2.455	2.523	2.591	2.659
4.	2.727	2.795	2.864	2.932	3.000	3.068	3.136	3.205	3.273	3.341
5.	3.409	3.477	3.545	3.614	3.682	3.750	3.818	3.886	3.955	4.023
6.	4.091	4.159	4.227	4.295	4.364	4.432	4.500	4.568	4.636	4.705
7.	4.773	4.841	4.909	4.977	5.045	5.114	5.182	5.250	5.318	5.386
8.	5.455	5.523	5.591	5.659	5.727	5.795	5.864	5.932	6.000	6.068
9.	6.136	6.205	6.273	6.341	6.409	6.477	6.545	6.614	6.682	6.750

Table for converting Discharge in Cubic Feet per Second per Square Mile into Runoff in Depth in Inches.

Discharge in Cubic Feet per Second per Square Mile	Runoff in Inches				
	1 day	28 days	29 days	30 days	31 days
1.	0.03719	1.041	1.079	1.116	1.153
2.	0.07438	2.083	2.157	2.231	2.306
3.	0.11157	3.124	3.236	3.347	3.459
4.	0.14876	4.165	4.314	4.463	4.612
5.	0.18595	5.207	5.393	5.579	5.764
6.	0.22314	6.248	6.471	6.694	6.917
7.	0.26033	7.289	7.550	7.810	8.070
8.	0.29752	8.331	8.628	8.926	9.223
9.	0.33471	9.372	9.707	10.041	10.376

CONVERSION TABLES (Concluded)

Table for Converting Discharge in Cubic Feet per Second into Runoff in Acre-feet.

Discharge in Cubic Feet per Second	Runoff in Acre-feet				
	1 day	28 days	29 days	30 days	31 days
1.	1.983	55.54	57.52	59.50	61.49
2.	3.967	111.07	115.04	119.01	122.97
3.	5.950	166.61	172.56	178.51	184.46
4.	7.934	222.15	230.08	238.02	245.95
5.	9.917	277.69	287.60	297.52	307.44
6.	11.901	333.22	345.12	357.02	368.93
7.	13.884	388.76	402.64	416.53	430.41
8.	15.868	444.30	460.16	476.03	491.90
9.	17.851	499.83	517.69	535.54	553.39

Table for converting Discharge in Cubic Feet per Second into Runoff in Millions of Imperial Gallons.

Discharge in Cubic Feet per Second	Runoff in Millions of Gallons				
	1 day	28 days	29 days	30 days	31 days
1.	0.5383	15.07	15.61	16.15	16.69
2.	1.0765	30.14	31.22	32.30	33.37
3.	1.6148	45.21	46.83	48.44	50.06
4.	2.1531	60.29	62.44	64.59	66.75
5.	2.6914	75.36	78.05	80.74	83.43
6.	3.2296	90.43	93.66	96.89	100.12
7.	3.7679	105.50	109.27	113.04	116.80
8.	4.3062	120.57	124.88	129.19	133.49
9.	4.8444	135.64	140.49	145.33	150.18

HYDROMETRIC SURVEY DATA

SOUTHEASTERN QUEBEC

DARTMOUTH RIVER NEAR CORTÉREAL - STATION No. IBH₁

Location: Lat. 48° 56' 03", long. 64° 38' 09", Quebec, at Roger Côté's (previously Harvey Adam's) farm, five miles upstream from mouth. Drainage Area: 288 square miles. Gauge: Tape-weight with float, and staff, in well, read once daily. Measurement of Discharge: From boat and by wading. Period of Record: Gauge readings from July 1922 to September 1945, discharge records from October 1945 to date. Average Discharge: (15 years) - 676 cfs. Extremes Recorded: Daily - Maximum, 29 May 1952, 15,300 cfs, Minimum, 14 March 1948, 28 cfs. Revisions: Drainage area, W.R.P. 123. Remarks: Artificial rock control since August 1955. Records poor.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....		213						2,320	869	325	137	96
2.....		208						2,150	820	288	141	94
3.....		218						3,960e	695	407	129	96
4.....		179						5,060	610	355	125	99
5.....		203	132e	77e	79e			5,270	610	296	122	98
6.....		210						3,960	473	265	104	83
7.....		228						3,840	595	237	102	90
8.....		288						6,230	485	223	99	81
9.....		265						3,500	465	222	104	76
10.....		251					343e	5,360	429	218	102	74
11.....		b						5,000	481	139	97	62
12.....								5,300	429	137	99	61
13.....								5,180	380	141	110	61
14.....								5,690	369	160	107	62
15.....	235e	228e	103e	78e	79e	77e		6,590	984	143	109	61
16.....								4,910	2,600	141	107	60
17.....								4,050	2,030	139	99	57
18.....								4,000e	1,650	136	102	57
19.....								2,280	1,330	132	122	56
20.....							b	2,580	1,150	130	107	56
21.....							712	2,790	1,050	125	105	55
22.....							670	2,640	953	120	99	57
23.....							1,190	3,220	796	109	98	61
24.....					85e		1,360	2,400	655	105	94	62
25.....		188e	76e	117e			1,850	2,020	575	102	95	61
26.....							1,480	1,810	537	105	94	62
27.....							1,460	1,790	505	105	93	61
28.....							1,420	1,570	407	102	95	62
29.....					-		2,180	1,320	393	105	93	61
30.....					-		2,250	1,130	346	115	96	57
31.....		-			-		-	1,050	-	127	94	-
Mean	235e	214e	103e	92e	81e	77e	714e	3,520e	789	176	106	69
Per sq. mi.	0.82	0.74	0.36	0.32	0.28	0.27	2.48	12.22	2.74	0.61	0.37	0.24
Acre-feet	-	-	-	-	-	-	-	-	-	-	-	-

The Year.....Discharge: Daily - Maximum 15 May, 6,590e
 - Minimum 21 September, 55
 Mean 519; Per Square Mile 1.80
 Runoff: Depth in inches on drainage area 24.48

b - Ice conditions 11 November to 20 April.
 e - Estimated 3 to 18 May and as indicated.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	55	356	b	155	128	<u>203</u>	<u>78</u>	<u>2,680</u>	<u>3,470</u>	203	<u>210</u>	84
2.....	57	352		151	132	135	81	2,910	3,000	184	188	84
3.....	56	262		151	109	134	83	3,270	2,770	182	182	83
4.....	55	230		153	102	128	85	3,440	2,350	174	178	82
5.....	55	203		165	108	125	89	4,490	1,960	171	182	82
6.....	54	208	360e	178	111	90	94	4,700	1,670	173	178	79
7.....	49	247		<u>184</u>	98	88	99	7,550	1,520	167	178	77
8.....	48	253		178	94	85	106	6,780	1,250	153	169	76
9.....	47	225		160	93	83	114	6,700	1,090	156	137	76
10.....	48	210		142	91	74	119	8,680	938	151	128	77
11.....	47	205		140	<u>90</u>	82	120	8,840	890	147	127	78
12.....	<u>46</u>	198		134	90	83	125	7,580	700	137	125	78
13.....	53	194		147	91	108	130	<u>9,480</u>	670	127	120	80
14.....	52	<u>178</u>		142	90	95	142	9,080	610	125	114	<u>127</u>
15.....	53	180		130	95	95	158	8,320	495	125	111	112
16.....	52	182	321e	134	98	89	164	8,360	434	115	102	105
17.....	52	180		151	149	78	167	8,680	417	115	94	102
18.....	52	198		134	142	78	169	8,760	368	114	94	93
19.....	50	274		132	134	79	178	8,200	<u>421</u>	<u>111</u>	93	91
20.....	51	186		132	127	74	188b	8,280	352	111	91	89
21.....	52	208		149	114	<u>73</u>	772	8,240	314	135	91	79
22.....	52	222		142	115	75	784	8,400	262	130	91	76
23.....	53	182		139	119	78	784	8,360	250	128	90	76
24.....	51	178		134	155	84	772	6,500	242	180	88	75
25.....	54	186		128	156	89	790	6,150	314	210	85	75
26.....	198	<u>620</u>	190e	125	139	88	814	5,580	348	<u>413</u>	90	<u>74</u>
27.....	<u>1,270</u>	572		123	134	85	802	5,120	274	283	88	76
28.....	862	380		122	<u>210</u>	81	820	4,990	236	228	88	76
29.....	560	352		<u>117</u>	205	79	1,460	4,630	210	208	87	75
30.....	400	329		120	-	78	<u>1,890</u>	4,510	<u>198</u>	188	<u>84</u>	74
31.....	392	-		134	-	78	-	4,050	-	182	85	-
Mean	161	258	287e	143	121	93	406	6,560	934	169	122	84
Per sq.mi.	0.56	0.90	1.00	0.50	0.42	0.32	1.41	22.78	3.24	0.59	0.42	0.29
Acre-feet	-	-	-	-	-	-	-	-	-	-	-	-

The Year.....Discharge: Daily - Maximum 13 May, 9,480
 - Minimum 12 October, 46
 Mean 786; Per Square Mile 2.73
 Runoff: Depth in inches on drainage area 37.13

b - Ice conditions 1 December to 20 April.

e - Estimated.

(International Gauging Station)

Location: Lat. 45° 02' 41", long. 71° 29' 54", Quebec, opposite Thérour's farm, two and one-half miles downstream from East Hereford. Drainage Area: 85 square miles. Gauge: Wire-weight and staff, read once daily. Measurement of Discharge: By wading and from cableway. Period of Record: October 1948 to date. Average Discharge: (12 years) - 164 cfs. Extremes Recorded: Daily - Maximum, 29 June 1959, 4,150 cfs (estimated), Minimum, 10 September 1960, 4 cfs. Revisions: Drainage area, W.R.P. 123. Remarks: This station is maintained by Canada under agreement with the United States. Records fair.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	59	348	65b	41e	90	25	148	287	129	138	21	380
2.....	171	207	64		77	23	307	253	89	154	21	129
3.....	142	173	63		62	19	1,330	223	90	146	19	116
4.....	74	147	62		88	17	1,190	202	59	127	18	111
5.....	90	136	60		61	15	849	186	38	127	18	106
6.....	126	116	59	41e	56	12	890	154	28	123	18	92
7.....	88	103	58		55	11	942	148	38	116	26	87
8.....	68	171	55		56	15	664	129	37	107	31	78
9.....	58	278	54		60	17	1,010	101	36	94	43	63
10.....	52	330	53		65	19	939	74	36	63	52	50
11.....	271	119	52		69	21	811	99	38	53	104	36
12.....	156	116	50		68	23	593	90	39	55	97	42
13.....	111	97	48		67	24	523	82	44	41	89	35
14.....	95	135	46		65	25	526	75	214	46	60	29
15.....	74	216	45		64	26	719	62	1,890	37	52	22
16.....	262	171	44	41e	63	24	686	59	1,070	36	35	22
17.....	442	207	42		62	20	1,270	58	396	35	27	21
18.....	318	310	41		60	25	867	53	338	34	38	20
19.....	214	348	39		58	21	1,660	45	277	33	33	19
20.....	169	315	38		55	28	901	52	221	36	32	19
21.....	128	189	36		50	149	559	56	160	34	38	18
22.....	114	128	34		47	216	429	447	134	32	37	17
23.....	95	136	32		44	187	507	256	118	30	34	19
24.....	278	117	30		41	167	593	138	112	29	31	19
25.....	220	128	29		39	144	715	109	107	27	48	19
26.....	214	171	27	41e	34	122	689	119	104	30	40	18
27.....	165	222	25		31	100	507	106	101	27	36	18
28.....	218	154	24		28	98	371	76	106	24	32	18
29.....	328	96	24		-	96	323	69	4,150e	21	29	18
30.....	278	68	22		-	93	304	106	539	21	27	18
31.....	293	-	21		-	91b	-	158	-	18	34	-
Mean	173	182	43	41e	58	60	727	131	358	61	39	55
Per sq.mi.	2.04	2.14	0.51	0.48	0.68	0.71	8.55	1.54	4.21	0.72	0.46	0.65
Acre-feet	-	-	-	-	-	-	-	-	-	-	-	-

The Year.....Discharge: Daily - Maximum 29 June, 4,150e
 - Minimum 7 March, 11
 Mean 160; Per Square Mile 1.88
 Runoff: Depth in inches on drainage area 25.51

b - Ice conditions 1 December to 31 March.

e - Estimated.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	29	330	800	59	40	57	1,970	178	33	<u>192</u>	<u>134</u>	7
2.....	<u>19</u>	292	482	59	<u>39</u>	56	1,120	172	30	182	26	7
3.....	19	265	253	59	39	55	1,470	166	28	156	17	7
4.....	19	304	244	<u>270</u>	40	54	1,970	156	26	27	17	6
5.....	19	756	196	212	41	52	1,100	148	24	25	16	6
6.....	30	838	184	168	44	54	596	144	27	23	20	6
7.....	209	733	180	109	46	50	491	136	27	21	20	6
8.....	312	448	241	92	48	49	354	114	26	20	20	5
9.....	205	239	241	75	49	48	280	102	25	18	19	5
10.....	162	140	218	63	44	47	214	73	24	18	18	<u>4</u>
11.....	146	<u>138</u>	221	60	40	46	<u>184</u>	69	23	17	18	15
12.....	132	142	156	59	<u>209</u>	45	268	66	<u>20</u>	17	18	184
13.....	114	192	<u>879</u>	59	205	44	325	62	26	17	17	237
14.....	99	154	460	58	192	43	405	196	25	18	16	<u>284</u>
15.....	96	451	374	58	176	42	733	<u>770</u>	112	17	15	234
16.....	90	312	289	56	130	41	1,270	653	192	17	14	190
17.....	89	333	186	55	94	42	1,820	460	129	18	13	188
18.....	102	323	166	55	96	41	2,010	289	184	18	9	166
19.....	118	315	129	55	94	40	<u>2,260</u>	198	132	21	<u>8</u>	172
20.....	121	317	101	55	90	39	612	162	144	31	8	162
21.....	138	312	94b	56	87	40	635	107	178	29	9	130
22.....	146	307	87	56	86	39	573	73	170	26	8	68
23.....	200	302	84	56	87	39	478	68	162	23	8	35
24.....	414	330	82	56	84	39	426	74	194	19	8	13
25.....	<u>1,610</u>	1,170	82	50	78	38	402	72	<u>282</u>	16	8	12
26.....	1,260	1,460	81	47	75	37	366	67	265	<u>15</u>	8	12
27.....	905	1,270	78	45	69	<u>36</u>	307	62	192	19	9	11
28.....	737	<u>3,550</u>	72	43	64	36	275	53	190	23	9	12
29.....	569	1,290	68	42	60	36	244	36	186	20	13	13
30.....	429	950	63	<u>41</u>	-	60	196	58	182	29	9	16
31.....	297	-	<u>60</u>	41b	-	<u>668</u>	-	<u>35</u>	-	156	8	-
Mean	285	599	221	73	84	65	778	162	109	40	17	74
Per Sq.mi.	3.35	7.05	2.60	0.86	0.99	0.76	9.15	1.91	1.28	0.47	0.20	0.87
Acre-feet	-	-	-	-	-	-	-	-	-	-	-	-

The Year.....Discharge: Daily - Maximum 28 November, 3,550
 - Minimum 10 September, 4
 Mean 208; Per Square Mile 2.45
 Runoff: Depth in inches on drainage area 33.25

b - Ice conditions 21 December to 31 January.

Location: Lat. 47° 33' 03", long. 68° 38' 15", Quebec, on upstream side of highway bridge in Ste. Rose. Drainage Area: 1,040 square miles. Gauge: Chain, read once daily. Measurement of Discharge: From boat. Period of Record: From September 1918 to date. Average Discharge: (42 years) - 1,700 cfs. Extremes Recorded: Daily - Maximum (Regulated), 8 May 1934, 14,300 cfs, Minimum, April 1923, 50 cfs (estimated). Revisions: Drainage area, W.R.P. 120, 123 and 130. Remarks: Flow regulated since February 1930. Back-water effect from weeds during summer months. Records fair.

Monthly Discharge for Water Year 1958-59

Month	Discharge in Cubic Feet per Second				Runoff	
	Mean	Effect of Upstream Storage*	Natural Mean Flow	Per Square Mile	Depth in inches on Drainage Area	Total in Acre-feet
October	987	- 14	973	0.94	1.08	-
November	713	+ 14	727	0.70	0.78	-
December	616	- 27	589	0.57	0.66	-
January	750	- 335	415	0.40	0.46	-
February	1,010	- 619	391	0.38	0.40	-
March	1,010	- 717	293	0.28	0.32	-
April	2,240	+1,440	3,680	3.54	3.95	-
May	5,260	+ 243	5,500	5.29	6.10	-
June	2,550	- 14	2,540	2.44	2.72	-
July	992	- 175	817	0.79	0.91	-
August	688	- 41	647	0.62	0.71	-
September	706	- 166	540	0.52	0.58	-
The Year	1,460	- 33	1,430	1.37	18.67	-

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	1,160	763	769	834	408	1,010	685	5,710	1,150	1,210	1,460	485
2.....	1,160	490	718	834	446	1,010	623	5,940	1,700	1,520	550	495
3.....	1,160	490	429	834	1,040	1,010	684	6,240	2,030	1,560	525	500
4.....	580	490	930	834	1,040	993	717	6,420	1,710	1,500	525	572
5.....	670	490	930	860	1,050	1,030	782	6,720	1,710	730	525	572
6.....	1,070	895	930	885	1,060	1,030	847	6,840	1,710	860	525	525
7.....	815	860	930	916	1,060	1,030	951	7,080	1,460	860	1,280	525
8.....	610	556	930	951	1,060	1,030	1,060	7,320	1,170	860	1,310	525
9.....	610	556	860	888	1,060	1,030	1,160	7,440	1,180	1,280	1,380	525
10.....	634	700	380b	827	1,030	1,060	1,300	7,560	2,970	1,070	1,380	450
11.....	646	1,140	380	828	1,000	1,110	1,440	7,500	3,350	860	1,430	450
12.....	1,780	446	407	827	993	1,080	1,600	7,560	3,970	902	1,430	450
13.....	2,020	446	408	828	986	1,080	1,760	7,440	3,880	902	500	450
14.....	1,900	435	407	881	930	1,100	1,920	7,440	4,020	685	500	425
15.....	1,350	435	408	867	958	1,070	2,100	7,320	4,240	678	500	400
16.....	1,070	490	435	860	965	1,070	2,140	7,200	4,190	665	485	400
17.....	580	490	718	788	1,140	1,070	2,230	7,080	4,400	550	475	400
18.....	930	670	795	827	1,170	1,070	2,280	6,780	4,240	550	550	400
19.....	1,540	834	700	828	1,180	1,250	2,370	6,420	3,750	550	530	400
20.....	1,420	860	598	827	1,110	1,210	2,460	6,060	3,370	550	525	400
21.....	965	888	592	532	1,070	1,180	2,590	5,770	2,520	550	500	400
22.....	628	1,780	586	462	1,070	1,160	2,730	5,410	2,520	1,070	450	1,420
23.....	628	1,350	508	407	1,110	1,100	2,880	3,130	2,520	1,460	391	1,920
24.....	795	1,000	435	408	1,100	1,010	3,130	3,030	2,520	1,460	395	1,960
25.....	827	730	435	795	1,080	930	3,430	2,190	2,430	1,110	394	1,940
26.....	828	795	435	775	1,060	874	3,680	1,680	1,940	550	450	1,860
27.....	827	286	435	782	1,060	828	4,330	685	1,280	545	470	1,180
28.....	828	310	435	867	1,060	795	4,770	684	1,740	1,430	475	369
29.....	860	860	435	391	-	762	5,170	685	1,250	1,420	475	386
30.....	860	860	895	402	-	730	5,410	684	1,540	1,390	475	400
31.....	860	-	834	407	-	700b	-	1,090	-	1,420	475	-

The Year.....Discharge: Daily - Maximum 10 and 12 May, 7,560
 - Minimum 27 November, 286
 Mean 1,460; Per Square Mile 1.37
 Runoff: Depth in inches on drainage area 18.67

* Storage in Lake Temiscouata.

b - Ice conditions 10 December to 31 March.

Monthly Discharge for Water Year 1959-60

Month	Discharge in Cubic Feet per Second				Runoff	
	Mean	Effect of Upstream Storage*	Natural Mean Flow	Per Square Mile	Depth in inches on Drainage Area	Total in Acre-feet
October	450	+ 349	799	0.77	0.89	-
November	2,130	+ 42	2,170	2.09	2.33	-
December	1,840	0	1,840	1.77	2.04	-
January	1,110	- 349	761	0.73	0.84	-
February	1,090	- 557	533	0.51	0.55	-
March	1,080	- 773	307	0.30	0.35	-
April	1,930	+1,350	3,280	3.15	3.51	-
May	8,330	- 94	8,240	7.92	9.13	-
June	702	+ 444	1,150	1.11	1.24	-
July	944	- 484	460	0.44	0.51	-
August	843	- 697	146	0.14	0.16	-
September	526	- 406	120	0.12	0.13	-
The Year	1,760	- 100	1,660	1.60	21.68	-

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	410	515	3,270	1,180	1,080	1,280	605	5,610	750	860	1,230	665
2.....	430	1,600	2,490	1,180	1,100	1,350	588	6,200	611	750	1,230	665
3.....	430	1,640	1,680	860	1,100	1,580	611	6,800	611	435	1,220	659
4.....	425	1,580	2,040	860	1,100	1,480	623	7,220	611	368	1,210	355
5.....	410	1,350	2,490	860	1,110	1,480	641	7,710	611	386	1,240	355
6.....	415	1,620	2,490b	860	1,110	1,610	743	8,340	525	386	1,240	337
7.....	425	1,940	2,870	958	1,110	1,560	756	9,120	545	386	965	750
8.....	430	2,120	2,490	1,040	1,060	1,540	788	9,640	480	410	965	750
9.....	430	2,310	2,450	684	1,050	1,540	854	10,200	525	415	958	730
10.....	435	2,320	2,490	1,180	1,070	1,500	895	10,600	525	430	881	895
11.....	440	2,280	2,310	1,680	1,070	1,460	902	10,600	525	1,110	874	895
12.....	460	2,370	2,000	1,510	1,040	1,340	1,010	10,700	545	1,130	895	854
13.....	475	2,460	2,090	1,360	1,040	1,270	1,060	10,600	500	1,090	782	965
14.....	475	2,390	2,450	1,230	1,040	1,130	1,070	10,600	465	1,150	525	972
15.....	480	2,350	2,220	1,170	1,040	1,080	1,170	10,600	460	1,090	490	930
16.....	490	2,160	2,130	1,170	965	1,030	1,200	10,600	525	1,280	867	131
17.....	495	2,170	1,880	1,170	965	986	1,260	10,400	525	1,510	867	128
18.....	465	2,190	1,440	1,160	1,040	944	1,390	10,100	550	1,530	874	190
19.....	435	2,070	1,190	1,130	1,040	895	1,790	9,760	1,000	1,530	881	190
20.....	400	2,090	1,220	1,130	1,090	860	2,070b	9,380	1,540	1,000	847	190
21.....	378	1,780	1,190	1,130	1,100	828	2,430	8,980	1,680	1,540	847	190
22.....	355	1,780	1,220	1,130	1,100	788	2,800	8,460	1,620	1,500	795	214
23.....	373	1,790	1,260	1,100	1,180	756	3,150	8,080	605	1,410	762	202
24.....	368	1,450	1,260	1,100	1,200	710	3,350	7,460	450	382	762	198
25.....	386	2,120	1,260	1,100	1,190	698	3,600	7,100	450	355	717	194
26.....	635	2,160	1,190	1,090	1,180	684	3,960	6,600	828	1,320	724	190
27.....	566	2,750	1,190	1,110	1,170	617	4,180	6,160	635	1,310	378	665
28.....	510	3,450	1,190	1,090	1,160	600	4,460	5,770	635	1,240	378	756
29.....	510	3,540	1,190	1,090	1,130	600	4,790	5,330	635	1,340	368	788
30.....	510	3,470	1,190	1,060	-	605	5,070	4,990	1,100	1,270	704	788
31.....	515	-	1,190	1,060	-	605	-	4,550	-	355	665	-

The Year.....Discharge: Daily - Maximum 12 May, 10,700
 - Minimum 17 September, 128
 Mean 1,760; Per Square Mile 1.60
 Runoff: Depth in inches on drainage area 21.68

b - Ice conditions 6 December to 20 April.

* - Storage in Lake Temiscouata.

Location: Lat. 48° 50' 02", long. 64° 37' 44", Quebec, two miles upstream from Sunny Bank. Drainage Area: 389 square miles. Gauge: Wire-weight, read once daily. Measurement of Discharge: From boat and by wading. Period of Record: October 1945 to date. Average Discharge: (15 years) - 761 cfs. Extremes Recorded: Daily - Maximum, 10 May 1960, 10,900 cfs, Minimum, 1 March 1947, 40 cfs. Revisions: Drainage area, W.R.P. 123. Remarks: Control shifting. Records poor.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	260	240	291e	118	96	76	426e	1,960	1,450	626	247	135
2.....	257	269		112	97	72		2,210	1,290	597	240	133
3.....	252	226		109	96	71		2,110	1,160	614	220	129
4.....	246	233		107	95	70		2,210	1,050	553	200	133
5.....	245	262		105	97	71		2,950	954	516	188	131
6.....	257	233	231e	106	98	74	426e	3,740	932	485	180	129
7.....	249	226		105	104	76		4,550	882	460	177	127
8.....	242	262		107	104	75		5,560	807	440	174	125
9.....	234	244		107	102	70		5,000	735	421	200	123
10.....	224	237		101	106	66		4,020	692	398	191	120
11.....	281	233b	231e	91	107	62	b	3,920	704	367	177	120
12.....	285	226		82	102	59		4,380	661	353	207	120
13.....	257	233		75	98	61		5,200	614	402	200	120
14.....	246	233		72	97	70		5,210	603	353	185	118
15.....	238	226		73	95	81		5,760	1,560	337	174	116
16.....	398	216	150e	67	92	84	65e	5,000	2,790	304	169	114
17.....	398	217		63	88	78		4,160	2,580	288	168	114
18.....	393	197		75	82	76		3,320	2,340	277	169	112
19.....	389	185		81	86	69		2,660	1,800	265	166	111
20.....	402	188		72	99	65		2,630	1,620	258	164	111
21.....	620	194	150e	74	121	65e	924	2,590	1,410	247	158	111
22.....	277	210		75	118		868	2,910	1,260	237	156	111
23.....	277	230		87	114		800	3,520	1,130	233	156	112
24.....	273	125		92	105		1,270	3,060	1,010	226	151	112
25.....	262	125		85	98		1,570	2,570	924	223	146	111
26.....	258	200	150e	85	90	65e	1,870	2,370	854	213	144	111
27.....	244	188		88	85		1,910	2,420	780	207	142	109
28.....	226	186		90	80		1,940	2,340	742	200	142	109
29.....	251	183		81	-		1,860	2,160	710	194	140	109
30.....	237	258		84	-		1,790	1,850	673	191	138	109
31.....	265	-		91	-		-	1,640	-	186	138	-
Mean	288	216	222e	89	98	69	777e	3,350	1,160	344	174	118
Per sq. mi.	0.74	0.56	0.57	0.23	0.25	0.18	2.00	8.61	2.98	0.88	0.45	0.30
Acre-feet	-	-	-	-	-	-	-	-	-	-	-	-

The Year.....Discharge: Daily - Maximum, 15 May, 5,760
 - Minimum 12 March, 59
 Mean 580; Per Square Mile 1.49
 Runoff: Depth in inches on drainage area 20.22

b - Ice conditions 11 November to 20 April.
 e - Estimated.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	109	909		220	150	<u>488</u>	176e	2,870	<u>2,560</u>	327	<u>444</u>	141
2.....	107	834		235	150	395		3,180	2,300	316	395	135
3.....	107	716		262	163	349		3,310	2,110	306	372	130
4.....	106	630		290	144	290		4,290	1,890	306	349	130
5.....	106	560		267	122	262		4,380	1,680	306	337	124
6.....	104	587	637e	231	127	262	176e	6,690	1,580	285	316	124
7.....	104	630		231	138	262		9,270	1,440	271	295	124
8.....	102	601		280	116	227		9,330	1,300	248	285	124
9.....	102	587		<u>366</u>	116	197		10,800	1,210	231	262	122
10.....	102	580		337	98	150		<u>10,900</u>	1,130	223	239	127
11.....	101	574		271	84	183	176e	8,410	1,050	216	239	127
12.....	124	560		267	82	220		9,300	970	200	231	135
13.....	132	507		295	<u>66</u>	280		7,150	909	193	220	<u>183</u>
14.....	119	482		257	84	311		6,780	819	186	208	166
15.....	111	520		223	173	316		7,320	760	169	200	160
16.....	101	507		220	193	311	176e	6,970	701	163	186	147
17.....	96	482		204	248	267		6,870	687	157	180	135
18.....	94	533		183	267	223		6,460	672	157	173	130
19.....	94	<u>469</u>		190	220	190		6,260	651	<u>150</u>	166	124
20.....	94	2,210b		200	150	166		5,730	601	150	160	124
21.....	94	2,200	301e	186	157	141e	1,000e	4,820	560	204	160	119
22.....	<u>91</u>	1,960		180	204			4,060	533	190	257	119
23.....	108	1,860		186	235			3,930	501	183	216	119
24.....	113	2,010		186	262			3,960	482	527	183	119
25.....	147	<u>2,480</u>		180	285			3,870	494	<u>630</u>	166	113
26.....	494	2,210		176	401	141e	b	3,680	469	594	160	113
27.....	<u>2,430</u>	1,770		176	554			3,520	444	554	154	113
28.....	1,950	1,400		173	<u>574</u>			3,390	407	514	150	108
29.....	1,490	1,190		<u>160</u>	547			3,260	383	475	150	108
30.....	1,210	1,030		160	-			2,940	<u>360</u>	475	150	<u>103</u>
31.....	1,030	-		160	-	b	-	<u>2,760</u>	-	494	<u>147</u>	-
Mean	364	1,050		224	211	223		5,690	988	303	231	128
Per sq.mi.	0.94	2.70		1.19	0.58	0.54		1.51	14.63	2.54	0.78	0.33
Acre-feet	-	-		-	-	-		-	-	-	-	-

The Year.....Discharge: Daily - Maximum 10 May, 10,900
 - Minimum 13 February, 66
 Mean 878; Per Square Mile 2.26
 Runoff: Depth in inches on drainage area 30.70

b - Ice conditions 20 November to 30 April.
 e - Estimated.

Location: Lat. 45° 10' 12", long. 66° 28' 00", New Brunswick, at highway bridge, Lepreau. Drainage Area: 92 square miles. Gauge: Staff, read daily. Measurement of Discharge: From railway bridge and by wading at low water. Period of Record: November and December 1916, April to November 1917, and April 1918 to date. Average Discharge: (42 years) - 263 cfs. Extremes Recorded: Daily - Maximum, 30 April 1923, 12,000 cfs (revised), Minimum, 8 September 1960, 1.0 cfs. Revisions: Drainage area, W.R.P. 83 and 130. Remarks: Records good except those under ice conditions which are fair.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	231	320	1,280	123	135	112	250	324	110	180	33.9	135
2.....	963	240	698	123	135	218	320	412	117	166	32.7	140
3.....	498	209	672	112	124	284	1,670 ^b	480	320	163	33.9	384
4.....	342	188	621	112	320	320	2,030	361	353	157	31.5	657
5.....	320	174	567	101	725	203	1,430	320	247	133	29.2	572
6.....	168	160	498	101	437	160	1,350	316	218	106	24.4	284
7.....	168	152	480 ^b	91	357	377	1,770	302	135	135	23.5	218
8.....	157	150	437	91	284	525	920	284	121	128	21.7	160
9.....	147	148	396	91	218	396	920	253	128	110	31.5	135
10.....	137	180	357	85	218	277	1,050	224	145	91	35.0	112
11.....	137	188	320	85	212	234	1,090	215	117	76	41.1	91
12.....	126	185	284	85	200	188	769	191	112	463	46.8	91
13.....	121	166	267	85	188	203	752	185	91	335	41.1	72
14.....	104	163	267	85	174	218	454	180	441	253	32.7	54
15.....	82	168	250	85	160	174	421	180	558	194	27.1	53
16.....	106	142	234	91	147	357	373	177	433	155	26.2	51
17.....	138	142	218	780	140	525	331	152	357	130	28.0	44.0
18.....	247	133	218	896	135	437	320	137	1,440	117	27.1	41.1
19.....	284	133	203	572	357	357	396	128	1,150	95	31.5	39.7
20.....	197	135	188	396	302	320	437	121	1,230	91	38.5	39.7
21.....	145	158	188	320	250	320	361	121	1,030	91	41.1	39.7
22.....	137	166	188	480	203	437	327	145	736	85	74	32.7
23.....	135	188	174	896	160	525	327	158	606	72	59	32.7
24.....	128	177	174	572	147	458	373	155	463	70	44.0	32.7
25.....	138	177	160	396	140	357	369	137	373	63	46.9	70
26.....	140	180	160	320	135	320	396	133	316	54	36.2	68
27.....	145	920	160	284	130	302	404	112	298	49.7	135	54
28.....	180	606	147	250	124	302	376	93	200	39.7	145	39.7
29.....	377	2,120	147	218	-	302	335	89	191	37.4	145	35.0
30.....	396	2,480	135	188	-	218	320	89	188	35.0	182	35.0
31.....	357	-	135	160	-	203	-	114	-	33.9	185	-
Mean	224	355	330	267	223	311	688	203	407	126	56	127
Per sq. mi.	2.44	3.86	3.58	2.90	2.43	3.38	7.48	2.20	4.43	1.37	0.61	1.38
Acre-feet	13,780	21,120	20,280	16,410	12,410	19,100	40,940	12,470	24,250	7,750	3,430	7,560

The Year.....Discharge: Daily - Maximum 30 November, 2,480

- Minimum 8 August, 21.7

Mean 276; Per Square Mile 3.00

Runoff: Acre-feet 199,500; Depth in inches on drainage area 40.66

^b - Ice conditions 7 December to 3 April.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	<u>35.0</u>	400	1,150	188	54	<u>525</u>	<u>284</u>	507	97	<u>45.4</u>	<u>85</u>	1.4
2.....	58	507	837	174	54	480	480	498	91	39.7	56	1.8
3.....	56	346	621	525b	54	437	672b	489	91	39.7	54	1.6
4.....	51	335	489	<u>1,480</u>	<u>46.9</u>	396	957	446	89	39.7	33.8	1.6
5.....	45.4	335	373	803	46.9	357	1,510	412	99	36.2	29.2	1.6
6.....	39.7	320	361	548	46.9	320	<u>1,970</u>	384	91	33.8	27.1	1.4
7.....	36.2	284	400	458	135	284	1,370	357	80	31.5	21.7	1.1
8.....	51	264	511	365	250	267	1,030	324	72	31.5	24.4	<u>1.0</u>
9.....	128	253	437	320b	218	250	896	298	65	30.3	19.0	2.5
10.....	130	218	384	284	188	218	791	267	51	33.8	16.2	2.7
11.....	153	200	316	250	160	188	704	281	46.8	27.1	12.0	2.1
12.....	218	194	253	218	396	174	621	572	39.7	24.4	14.1	33.8
13.....	188	177	<u>2,420</u>	188	525	160	616	558	38.5	28.0	19.0	117
14.....	160	160	1,790	160	480	147	548	957	<u>31.5</u>	30.3	19.0	101
15.....	114	188	1,140	147	<u>896</u>	135	530	<u>2,100</u>	31.5	28.0	16.9	59
16.....	76	194	908	135	780	123	539	1,350	<u>185</u>	27.1	14.8	36.2
17.....	74	284	769	123	672	112	606	939	177	23.5	12.7	30.3
18.....	72	320	563	112	572	123	775	709	168	20.8	12.0	19.0
19.....	117	288	454	101	525	135	902	530	133	<u>19.0</u>	11.0	17.6
20.....	91	240	392	93	480	147	808	404	99	138	10.0	23.5
21.....	74	215	331	91	437	135	698	400	91	<u>188</u>	9.5	<u>153</u>
22.....	74	160	320b	81	396	120	677	274	72	89	8.0	123
23.....	67	<u>135</u>	302	81	357	112	672	250	74	99	9.0	93
24.....	58	284	284	81	320	101	582	224	61	58	7.5	61
25.....	437	1,670	267	72	284	91	572	197	56	45.4	6.7	38.5
26.....	<u>1,770</u>	1,700	250	72	250	<u>72</u>	534	166	112	33.8	6.0	30.3
27.....	1,030	1,230	234	72	621	72	534	158	61	28.0	5.6	27.1
28.....	774	1,440	218	72	713	81	534	147	61	33.8	3.6	22.6
29.....	498	<u>2,120</u>	212	<u>63</u>	572	91	539	135	49.7	38.5	3.4	22.6
30.....	437	2,090	206	63	-	112	539	110	48.3	39.7	<u>3.2</u>	22.6
31.....	369	-	<u>200</u>	63	-	135	-	<u>106</u>	-	80	3.2	-
Mean	241	552	561	241	363	197	750	469	82	47.1	18.5	35.0
Per sq.mi.	2.62	6.00	6.10	2.62	3.95	2.14	8.15	5.10	0.89	0.51	0.20	0.38
Acre-feet	14,840	32,830	34,500	14,840	20,890	12,100	44,600	28,860	4,880	2,900	1,140	2,080

The Year.....Discharge: Daily - Maximum 13 December, 2,420

- Minimum 8 September, 1.0

Mean 295; Per Square Mile 3.21

Runoff: Acre-feet 214,500; Depth in inches on drainage area 43.71

b - Ice conditions 22 December to 3 January and 9 January to 3 April.

Location: Lat. 45° 16' 24", long. 66° 48' 24", New Brunswick, at highway bridge, Elmcroft. Drainage Area: 547 square miles. Gauge: Chain, read daily. Measurement of Discharge: From bridge. Period of Record: November and December 1916, April to November 1917, April 1918 to March 1923, June 1923 to June 1933 and August 1943 to date. Average Discharge: (30 years) - 1,200 cfs. Extremes Recorded: Daily - Maximum, 1 May 1923, 60,000 cfs (estimated), Minimum, 23 and 24 October 1947, 27 cfs. Revisions: Drainage area, W.R.P. 130. Remarks: Records good except those under ice conditions which are fair.

Monthly Discharge for Water Year 1958-59

Month	Discharge in Cubic Feet per Second				Runoff	
	Mean	Effect of Upstream Storage*	Natural Mean Flow	Per Square Mile	Depth in inches on Drainage Area	Total in Acre-feet
October	962	- 11	951	1.74	2.01	58,470
November	1,160	+198	1,360	2.49	2.77	80,930
December	1,740	- 64	1,680	3.07	3.54	103,300
January	904	-147	757	1.38	1.60	46,550
February	698	-122	576	1.05	1.10	31,990
March	907	-368	539	0.99	1.14	33,140
April	3,660	+696	4,360	7.97	8.89	259,400
May	1,410	- 11	1,400	2.56	2.95	85,960
June	1,880	+ 19	1,900	3.48	3.88	113,100
July	1,050	- 92	961	1.76	2.03	59,090
August	968	-258	710	1.30	1.50	43,660
September	1,130	- 64	1,070	1.95	2.17	63,430
The Year	1,370	- 23	1,350	2.47	33.56	979,100

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	909	1,460	3,170	741	643	598	1,010	2,330	492	887	766	771
2.....	1,750	1,110	2,810	716	643	792	1,070	2,540	546	792	589	1,150
3.....	1,310	920	3,050	692	598	741	5,500b	2,490	741	925	598	1,870
4.....	893	777	2,770	692	1,010	741	7,820	2,370	997	834	1,010	3,430
5.....	677	663	2,570	667	953	692	7,720	2,230	766	447	898	3,250
6.....	572	607	2,440	667	845	643	8,000	2,260	634	454	893	2,150
7.....	508	551	2,570	643	792	792	7,660	2,050	533	454	840	1,430
8.....	443	450	3,050	643	692	953	6,340	1,980	492	504	840	1,030
9.....	399	866	3,170	643	792	871	4,480	1,980	533	525	813	731
10.....	351	975	2,650	620	1,010	809	4,480	1,800	667	386	777	568
11.....	367	800e	2,330	620	953	741	4,300	1,700	667	1,260	1,840	466
12.....	383	615	2,190	620	741	692	3,900	1,470	555	4,080	1,280	422
13.....	672	572	1,980	598	643	692	3,400	1,290	473	3,360	787	567
14.....	639	416	1,630	576	598	741	3,220	1,350	3,060	2,220	521	697
15.....	751	572	1,500	576	741	741	3,140	1,380	3,210	1,170	383	1,160
16.....	1,000	639	1,290	643	792	692	2,820	1,350	3,060	953	335	1,140
17.....	1,020	594	1,200	1,880	692	792	2,430	1,200	2,450	756	529	1,110
18.....	1,430	829	1,260	1,670	692	792	2,050	1,120	3,140	953	1,310	997
19.....	1,590	813	1,150	1,350	643	741	2,740	845	5,030	1,040	1,530	969
20.....	1,170	1,090	1,230	1,260	643	692	3,020	620	5,350	473	1,400	1,080
21.....	736	1,140	1,120	1,260	598	898	2,580	668	4,710	741	947	1,080
22.....	572	1,250	1,120	1,290	598	1,530	2,190	792	3,720	1,070	1,400	1,030
23.....	711	991	1,060	1,670	598	1,410	2,300	1,180	2,940	1,120	1,170	997
24.....	687	840	958	1,350	555	1,350	2,560	1,090	2,540	1,010	840	1,050
25.....	975	761	930	1,170	555	1,350	2,740	1,070	2,160	980	787	887
26.....	1,310	639	876	1,010	512	1,290	2,740	1,200	1,600	925	840	856
27.....	1,240	2,360	850	898	512	1,290	2,820	1,040	1,470	845	1,140	803
28.....	1,140	2,490	823	741	512	1,120	2,540	692	1,410	1,080	1,590	777
29.....	1,770	4,480	771	741	-	1,010	2,230	576	1,290	861	1,460	726
30.....	2,120	4,570	766b	692	-	953	2,090	492	1,230	792	1,090	702
31.....	1,740e	-	766	692	-	953	-	533	-	741	813	-

The Year.....Discharge: Daily - Maximum 6 April, 8,000

- Minimum 10 October, 351

Mean 1,370; Per Square Mile 2.47

Runoff: Acre-feet 979,100; Depth in inches on drainage area 33.56

b - Ice conditions 30 December to 3 April.

e - Estimated.

* - Storage in Lakes Magaguadavic and McDougall.

Monthly Discharge for Water Year 1959-60

Month	Discharge in Cubic Feet per Second				Runoff	
	Mean	Effect of Upstream Storage*	Natural Mean Flow	Per Square Mile	Depth in inches on Drainage Area	Total in Acre-feet
October	1,380	+175	1,560	2.85	3.29	95,920
November	2,590	+472	3,060	5.59	6.24	182,000
December	3,190	-221	2,970	5.43	6.26	182,600
January	1,470	- 49	1,420	2.60	2.99	87,310
February	1,170	- 92	1,080	1.98	2.13	62,240
March	1,000	-594	409	0.75	0.86	25,150
April	4,030	+748	4,780	8.74	9.75	284,500
May	2,930	-123	2,810	5.13	5.92	172,600
June	806	-228	578	1.06	1.18	34,390
July	674	-368	306	0.56	0.64	18,820
August	193	-123	70	0.13	0.15	4,300
September	111	- 63	48	0.09	0.10	2,860
The Year	1,630	- 42	1,590	2.90	39.51	1,153,000

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	712e	1,500	6,750	1,060	598	1,170	1,350	4,450	1,220	347	739	98
2.....	707	1,750	5,170	1,010	598	1,120	2,020	4,580	1,110	472	636	90
3.....	671	1,500	4,140	2,230b	598	1,060	2,450b	4,310	734	472	350	56
4.....	622	1,350e	3,690	4,440	576	1,040	3,030	3,770	1,050	472	337	90
5.....	612	1,190	3,360e	4,350	555	1,090	4,210	3,590	893	861	353	82
6.....	576	1,160	3,020	3,760	555	1,180	5,440	3,320	1,170	876	337	79
7.....	576	1,300	3,000	3,270	555	1,120	5,360	3,070	1,560	808	305	79
8.....	909	1,440	4,050	2,860b	555	1,090	5,260	2,910	1,310	771	290	79
9.....	1,060	1,270	3,780	2,620	555	1,060	4,960	2,590	1,170	755	249	79
10.....	936	1,160	3,420	2,090	692	1,040	4,400	2,540	1,050	718	236	75
11.....	856	1,020	2,920	1,740	792	1,010	3,950	2,300	948	671	224	75
12.....	1,020	871	2,350	1,470	980	980	3,640	3,810	1,090	992	212	90
13.....	1,360	803	3,100e	1,290	1,180	980	3,590	3,400	1,060	937e	167	143
14.....	1,160	671	5,100	1,170	1,410	980	3,500	6,560	1,000	882	128	163
15.....	981	882	7,080	1,060	1,600	1,120	3,190	7,660	1,000	777	93	115
16.....	856	1,050	6,750	953	1,810	1,090	3,500	6,500	1,530	622	78	93
17.....	776	1,390	6,750	845	2,020	1,040	4,180	4,740	920	575	71	74
18.....	856	1,720	3,000	741	1,950	1,010	4,960	3,670	681	531	68	67
19.....	1,120	1,580	2,600	692	1,880	1,010	5,660	3,100	476	531	63	60
20.....	1,050	1,420	2,240	643	1,810	980	5,160	2,620	327	575	67	67
21.....	882	1,260	2,090b	643	1,740	953	4,270	1,880	676	598	70	147
22.....	829	1,190	1,950	643	1,630	925	3,950	1,670	603	531	57	178
23.....	776	1,130	1,810	643	1,630	898	3,850e	1,670	505	510	63	205
24.....	776	1,210	1,670	620	1,500	898	3,680	1,060	505	1,160	45.4	194
25.....	1,440	5,270	1,530	620	1,410	871	4,040	1,010	347	925	96	171
26.....	6,310	7,110e	1,410	620	1,290	845	4,130	953	331	671	108	157e
27.....	5,220	8,770	1,350	620	1,230	845	4,180	845	284	553	108	147
28.....	4,280	7,300	1,290	792	1,170	845	4,180	676	231	468	108	132
29.....	2,210	9,730	1,230	741	1,180	871	4,480	544	203	622	108	123
30.....	1,580	9,610	1,170	692	-	953	4,450	544	185	430	108	132
31.....	1,210	-	1,120	598	-	1,010	-	501	-	777	100	-

The Year.....Discharge: Daily - Maximum 29 November, 9,730
 - Minimum 24 August, 45.4
 Mean 1,630; Per Square Mile 2.90

Runoff: Acre-feet 1,153,000; Depth in inches on drainage area 39.51

b - Ice conditions 21 December to 3 January and 8 January to 3 April.

e - Estimated.

* - Storage in Lakes Magaguadavic and McDougall.

Location: Lat. 46° 56' 06", long. 65° 54' 30", New Brunswick, at highway bridge, Lyttleton. Drainage Area: 518 square miles. Gauge: Chain, read daily. Measurement of Discharge: From bridge and by wading at low water. Period of Record: June to November 1951 and February 1952 to date. Average Discharge: (8 years) - 1,200 cfs. Extremes Recorded: Daily - Maximum, 15 May 1960, 16,000 cfs, Minimum, 14 to 16 January 1959, 60 cfs. Revisions: Drainage area, W.R.P. 130. Remarks: Records fair.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	522	347	396	124	167	203	340	2,640	1,370	666	290	323
2.....	522	364	396	112	167	203	340	3,200	1,370	748	299	323
3.....	396	228	368	112	167	112	677	3,200	1,370	748	290	374
4.....	396	228	340	112	203	90	677	3,200	927	707	246	374
5.....	470	391	340	112	245	90	767	4,330	947	628e	246	374
6.....	470	391	315	101	203	137	860	4,270	927	536	211	374
7.....	748	391	315	90	167	137	860	4,330	834	536	211	374
8.....	396	347	315	90	137	203	960	3,850	834	457	211	332
9.....	396	337	290	90	112	203	960	3,850	834	470	246	433
10.....	396	598	290	90	97	203	960	3,850	1,850	457	246	323
11.....	396	583	267	80	101	167	1,030	3,850	1,770	522	243	318
12.....	748	516	267	80	112	167	1,030	4,850	1,130	522	250	323
13.....	748	451	245	80	112	167	1,140	4,850	1,130	522	259	318
14.....	666	451	245	60	112	137	1,140	5,000	1,930	522	243	272
15.....	522	583	245	60	112	137	1,140	4,600	1,930	457	243	272
16.....	483	385	245	60	112	152	1,250	4,600	1,630	396	817	272
17.....	457	445	224	90	112	161	1,250	3,400	1,630	396	817	290
18.....	483	576	224	137	112	185	1,500	3,400	1,630	342	1,410	318
19.....	396	576	203	167	112	224	1,500	2,800	1,630	342	576	318
20.....	666	576	203	203	112	224	1,370	2,510	1,770	342	576	318
21.....	396	732	185	309	101	203	1,370	2,600	1,060	342	502	313
22.....	396	732	185	290	101	245	1,250b	2,510	1,060	342	502	276
23.....	396	509	185	290	101	340	1,250	2,420	1,030	342	380	268
24.....	396	509	167	267	101	340	1,630	1,770	774	342	380	268
25.....	396	509	167	245	101	203	2,620	1,770	774	342	328	268
26.....	342	490b	152	245	90	203	2,800	1,770	666	250	328	268
27.....	369	480	137	245	90	203	2,600	1,370	666	250	328	281
28.....	369	457	137	224	112	203	2,600	1,370	666	250	328	268
29.....	556	426	137	203	-	203	2,600	1,400	666	304	328	228
30.....	522	396	124	185	-	203	2,640	1,400	666	294	328	228
31.....	556	-	124	185	-	245	-	1,370	-	294	328	-
Mean	483	467	240	153	128	190	1,370	3,110	1,180	441	387	310
Per sq. mi.	0.93	0.90	0.46	0.30	0.25	0.37	2.65	6.00	2.28	0.85	0.75	0.60
Acre-feet	29,700	27,780	14,740	9,400	7,080	11,690	81,540	191,100	70,360	27,110	23,780	18,420

The Year.....Discharge: Daily - Maximum 14 May, 5,000

- Minimum 14 to 16 January, 60

Mean 708; Per Square Mile 1.37

Runoff: Acre-feet 512,700; Depth in inches on drainage area 18.56

b - Ice conditions 26 November to 22 April.

e - Estimated.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	225	1,400	<u>3,850</u>	590	522	<u>590</u>	<u>297</u>	4,680	2,800	<u>1,270</u>	<u>381</u>	92
2.....	414	1,400	3,850	590	522	590	370	4,600	3,200	1,240	243	140
3.....	414	1,030	3,000	748	522	556	425	4,850	3,200	773	243	140
4.....	414	590	1,930	<u>927</u>	522	556	485	4,970	<u>3,980</u>	694	243	140
5.....	309	590	2,170	880	522	522	592	5,750	1,990	728	243	140
6.....	309	<u>396</u>	2,250	834	<u>489</u>	489	710	6,830	2,490	728	243	140
7.....	358	396	2,250	791	489	490	800	6,650	1,730	646	243	98
8.....	263	1,030	2,420	791	489	457	895	8,350	1,390	646	225	<u>92</u>
9.....	263	1,030	2,420	748	489	457	1,000	8,350	1,330	646	225	92
10.....	263	927	1,500	748	489	457	1,110	7,300	1,220	570	235	137
11.....	476	927	1,500	707	522	426	1,110	7,300	1,220	570	200	137
12.....	476	927	1,400	707	522	427	1,000	12,800	1,220	646	200	164
13.....	470	957	1,770b	707	522	426	1,000	9,150	1,220e	646	200	<u>306</u>
14.....	470	957	1,710	707	556	396	947	12,800	1,150e	381	200	306
15.....	353	791	1,630	666	590	396	947	<u>16,000</u>	1,110e	437	200	306
16.....	353	791	1,560	666	590	396	895	7,440	1,000e	437	200	164
17.....	318	791	1,430	666	556	369	1,000	7,300	895e	437	180	172
18.....	313	853	1,310	628	556	369	1,220	6,650	819	381	169	175
19.....	228	871	1,190	590	522	369	1,580	4,910	686	449	178	169
20.....	<u>221</u>	834	1,130	590	522	457	2,260	3,600	<u>646</u>	437	178	169
21.....	353	834	1,030	590	590	396	2,620	3,650	906	449	183	169
22.....	347	748b	927	590	628	369	2,800	3,950	728	449	169	169
23.....	347	748b	834	556	<u>689</u>	342	3,000	3,850	773	437	183	167
24.....	337	927b	748	556	666	318	3,000	2,260	1,240	449	183	167
25.....	1,930e	1,930b	666	556	666	294	3,100	2,260	1,130	449	175	161
26.....	<u>5,210</u>	3,400	628	556	666	294	3,200	1,650	1,970	<u>330</u>	175	161
27.....	3,970	3,200	628	556	628	286	3,600b	1,580	1,940	330	169	161
28.....	3,200e	3,200	666	<u>522</u>	590	<u>272</u>	3,900	1,660	2,390	449	169	175
29.....	2,600e	<u>3,850</u>	628	522	590	272	3,850	<u>1,330</u>	2,300	330	<u>92</u>	148
30.....	2,090e	3,850	628	522	-	272	<u>4,150</u>	1,330	1,270	330	92	137
31.....	1,630e	-	<u>590</u>	522	-	294	-	1,330	-	381	92	-
Mean	933	1,340	1,560	656	560	407	1,730	5,650	1,600	553	197	163
Per sq.mi.	1.80	2.59	3.00	1.27	1.08	0.78	3.34	10.91	3.09	1.07	0.38	0.31
Acre-feet	57,370	79,690	95,690	40,320	32,180	25,000	102,900	347,400	95,090	34,010	12,120	9,710

The Year.....Discharge: Daily - Maximum 15 May, 16,000
 - Minimum in August and September, 92
 Mean 1,280; Per Square Mile 2.48
 Runoff: Acre-feet 931,400; Depth in inches on drainage area 33.71

b - Ice conditions 13 December to 27 April and as indicated.
 e - Estimated.

Location: Lat. 47° 24' 24", long. 65° 47' 42", New Brunswick, at the power house of Bathurst Power and Paper Company Limited. Drainage Area: 712 square miles. Gauge: Headwater and tailwater gauges at power house, hourly switchboard readings. Measurement of Discharge: Switchboard readings. Period of Record: October 1921 to date. Average Discharge: (39 years) - 1,230 cfs. Extremes Recorded: Daily - Maximum, 25 April 1958, 17,800 cfs, Minimum, 10 December 1923, 78 cfs. Revisions: Drainage area, W.R.P. 130. Remarks: The data are supplied by the Bathurst Power and Paper Company Limited.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	743	685	460	410	335	280	305	3,100	1,480	710	417	380
2.....	760	405	530	390	335	285	350	3,000	1,560	738	385	485
3.....	746	755	490	370	327	285	547	3,620	1,440	785	398	560
4.....	710	675	500	370	327	285	815	3,700	1,350	825	368	924
5.....	575	555	570	380	322	285	687	3,900	1,190	550	342	1,300
6.....	740	525	642	375	335	285	1,400	4,150	1,210	670	323	538
7.....	710	525	560	340	335	285	1,450	4,540	1,010	610	303	390
8.....	675	525	456	345	330	270	1,550	4,740	1,210	600	318	550
9.....	650	465	410	355	320	272	1,640	4,500	1,110	595	325	525
10.....	645	565	460	345	310	240	1,680	4,050	1,340	560	330	450
11.....	834	590	460	348	295	270	1,470	3,940	1,320	600	380	440
12.....	710	610	465	350	305	295	1,380	4,100	1,130	514	475	468
13.....	851	550	475	350	305	280	1,420	4,400	1,040	620	575	340
14.....	700	530	500	350	300	270	1,420	4,310	870	570	560	450
15.....	650	690	490	347	305	250	1,360	4,140	1,320	545	455	440
16.....	630	506	510	340	300	270	1,250	3,610	1,200	495	385	415
17.....	640	608	520	380	305	265	1,350	3,050	1,080	480	825	390
18.....	710	610	505	435	305	265	1,230	2,790	985	460	1,210	398
19.....	500	730	505	580	310	250	1,380	2,700	1,050	440	1,040	400
20.....	600	946	475	548	305	268	1,760	2,810	1,070	464	690	355
21.....	583	820	482	523	295	285	1,850	2,740	1,000	455	570	398
22.....	570	690	478	480	295	285	1,820	2,570	1,030	380	540	398
23.....	560	423	458	450	305	325	2,060	2,580	970	370	482	398
24.....	560	570	452	455	298	320	2,770	2,280	875	360	442	423
25.....	575	574	450	407	295	305	3,070	2,150	800	365	371	420
26.....	470	380	430	395	292	285	3,270	1,970	765	325	475	400
27.....	565	470	430	375	285	300	3,420	2,120	750	380	427	365
28.....	570	570	430	355	285	300	3,310	1,830	590	355	453	345
29.....	660	550	412	345	-	290	3,360	1,630	745	357	450	430
30.....	775	435	425	340	-	285	3,000	1,480	770	404	410	357
31.....	670	-	427	335	-	297	-	1,580	-	781	398	-
Mean	656	584	479	393	309	282	1,750	3,160	1,070	528	488	471
Per sq. mi.	0.92	0.82	0.67	0.55	0.43	0.40	2.45	4.44	1.51	0.74	0.69	0.66
Acre-feet	40,340	34,770	29,470	24,130	17,180	17,320	103,900	194,500	63,990	32,460	29,990	28,030

The Year.....Discharge: Daily - Maximum 8 May, 4,740
- Minimum 10 March, 240

Mean 851; Per Square Mile 1.19

Runoff: Acre-feet 616,100; Depth in inches on drainage area 16.22

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	437	1,250	3,880	700	530	<u>525</u>	<u>365</u>	6,670	2,040	1,510	<u>660</u>	320
2.....	397	1,420	3,050	725	545	515	600	7,220	2,030	<u>1,530</u>	600	313
3.....	581	1,300	2,810	1,100	581	525	710	6,010	2,370	1,350	560	285
4.....	440	1,170	2,250	<u>1,390</u>	590	500	805	7,080	2,070	1,430	540	252
5.....	412	1,260	2,540	1,280	570	495	910	8,100	2,110	1,390	514	278
6.....	315	1,440	2,590	1,040	570	495	1,200	10,700	<u>2,870</u>	1,310	460	305
7.....	360	1,460	3,360	870	544	500	1,500	12,900	2,690	1,280	460	275
8.....	355	1,290	<u>3,920</u>	720	556	487	1,570	12,900	2,080	1,130	482	275
9.....	425	1,210	<u>3,140</u>	690	566	480	1,630	13,000	1,990	1,130	490	275
10.....	427	1,190	2,580	600	528	444	1,620	12,000	1,850	985	520	248
11.....	415	1,130	1,990	670	535	405	1,520	11,800	1,620	1,140	470	<u>245</u>
12.....	446	1,110	1,830	740	540	383	1,590	<u>15,300</u>	1,670	1,160	390	315
13.....	529	1,220	2,300	750	<u>475</u>	380	1,510	11,300	1,560	1,250	395	582
14.....	385	1,270	2,110	800	535	407	1,340	13,800	1,520	1,130	385	<u>620</u>
15.....	415	1,100	1,690	790	620	405	1,330	14,200	1,460	989	380	398
16.....	335	1,340	2,060	830	721	400	1,320	12,600	1,450	940	355	335
17.....	387	1,260	1,740	800	<u>725</u>	393	1,390	10,600	1,380	827	325	310
18.....	335	1,320	1,280	763	700	410	2,430	8,840	1,360	830	327	280
19.....	410	1,010	1,260	740	645	395	3,520	7,250	<u>1,110</u>	790	332	290
20.....	450	942	1,020	732	580	378	3,460	6,230	1,240	856	332	290
21.....	425	<u>860</u>	974	735	565	435	330	5,370	1,670	1,000	342	275
22.....	313	910	913	760	570	395	3,270	3,100	1,570	905	385	255
23.....	<u>310</u>	1,120	<u>870</u>	750	580	410	3,180	4,550	1,260	807	407	268
24.....	415	1,290	882	715	590	390	3,390	3,810	1,460	700	402	265
25.....	618	3,130	882	636	560	380	3,830	3,410	2,240	790	375	265
26.....	<u>3,710</u>	4,390	910	640	555	355	3,730	3,100	2,380	730	332	265
27.....	2,660	3,380	913	650	505	320	3,920	2,820	1,910	675	330	265
28.....	2,130	3,940	1,130	610	490	<u>310</u>	4,670	2,440	1,860	650	<u>280</u>	265
29.....	1,680	<u>5,490</u>	1,040	600	500	385	5,710	2,240	1,560	645	315	265
30.....	1,460	4,530	1,010	605	-	355	<u>6,180</u>	2,400	1,450	630	320	260
31.....	1,390	-	945	<u>560</u>	-	350	-	<u>2,190</u>	-	<u>590</u>	320	-
Mean	754	1,790	1,870	774	571	420	2,380	7,870	1,790	1,000	412	305
Per sq.mi.	1.06	2.52	2.62	1.09	0.80	0.59	3.35	11.05	2.52	1.41	0.58	0.43
Acre-feet	46,350	106,600	114,800	47,590	32,870	25,800	141,900	483,800	106,800	61,640	25,360	18,130

The Year.....Discharge: Daily - Maximum 12 May, 15,300
 - Minimum 11 September, 245
 Mean 1,670; Per Square Mile 2.34
 Runoff: Acre-feet 1,212,000; Depth in inches on drainage area 31.91

Location: Lat. 47° 29' 40", long. 65° 40' 50", New Brunswick, eight-tenths of a mile above Pabineau Falls. Drainage
 Area: 807 square miles. Gauge: Recording. Measurement of Discharge: From cableway. Period of Record: October
 1957 to date. Extremes Recorded: Daily - Maximum, 25 April 1958, 24,500 cfs (estimated), Minimum, 11 September
 1960, 239 cfs. Revisions: Drainage area, W.R.P. 130. Remarks: Records excellent except those under ice conditions
 which are fair.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	841	828	600	480	410	350	370	4,590	1,720	870	720	536
2.....	892	727	580	460	410	340	420	5,170	1,750	801	544	544
3.....	880	722	640	440	410	340	640	5,610	1,670	840	528	632
4.....	869	971	620	440	410	340	970	5,700	1,460	892	520	740
5.....	796	721	680	440	400	340	830	5,740	1,330	748	478	1,400
6.....	746	690	780	440	400	340	1,700	6,120	1,260	707	457	1,060
7.....	872	672	680	420	410	340	1,750	6,330	1,270	710	450	513
8.....	818	672	600	410	410	330	1,850	6,690	1,190	680	443	568
9.....	790	651	540	430	400	330	1,980	6,360	1,260	672	457	600
10.....	772	628	580	420	390	310	2,000	5,740	1,310	648	457	608
11.....	868	793	580	420	386	310	1,800	5,370	1,520	632	492	552
12.....	812	781	580	420	390	340	1,700	5,430	1,290	684	552	560
13.....	1,070	803	600	420	390	330	1,730	5,890	1,130	633	664	560
14.....	903	819	600	420	380	320	1,730	5,800	987	690	664	499
15.....	826	769	600	420	380	310	1,700	5,740	1,390	640	600	552
16.....	795	829	600	420	380	320	1,600	5,150	1,420	584	544	536
17.....	770	916	610	460	390	320	1,650	4,560	1,260	576	640	520
18.....	800	814	600	520	390	320	1,600	3,880	1,070	536	1,220	513
19.....	759	854	600	559	390	320	1,650	3,510	1,160	520	1,350	520
20.....	698	1,050	580	560	380	320	2,050	3,330	1,160	513	928	506
21.....	715	1,100	580	540	380	340	2,300	3,270	1,210	536	720	506
22.....	700	970	580	520	380	340	2,500	3,310	1,270	520	640	520
23.....	680	904	550	520	380	380	3,300b	3,470	1,110	499	608	520
24.....	680	685	540	500	370	380	3,950	3,110	1,020	478	568	520
25.....	672	700b	540	480	360	360	4,540	2,360	940	485	544	560
26.....	671	660	520	460	360	350	4,870	2,330	870	485	506	513
27.....	628	600	520	450	350	360	5,290	2,200	860	457	520	506
28.....	690	680	520	440	350	360	5,170	2,190	743	485	568	464
29.....	747	680	500	430	-	350	4,810	1,890	840	478	560	568
30.....	887	660	500	420	-	350	4,350	1,860	840	499	552	464
31.....	882	-	500	420	-	360	-	1,800	-	664	520	-
Mean	791	778	584	457	387	339	2,360	4,340	1,210	618	613	589
Per sq. mi.	0.98	0.96	0.72	0.57	0.48	0.42	2.92	5.38	1.50	0.77	0.76	0.73
Acre-feet	48,660	46,310	35,900	28,120	21,490	20,830	140,400	266,800	72,020	38,010	37,710	35,030

The Year.....Discharge: Daily - Maximum 8 May, 6,690
 - Minimum 10, 11 and 15 March, 310
 Instantaneous Maximum - 1 p.m., 8 May, 6,780
 Mean 1,090; Per Square Mile 1.35

Runoff: Acre-feet 791,300; Depth in inches on drainage area 18.38

b - Ice conditions 25 November to 23 April.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	440	1,530	<u>5,030</u>	940	620	580	<u>450</u>	7,440	2,640	<u>1,780</u>	<u>658</u>	331
2.....	440	1,590	<u>4,220</u>	860	620	590	580	7,730	2,440	1,750	635	338
3.....	494	1,570	4,300	1,000	640	<u>600</u>	740	7,310	2,820	1,590	561	324
4.....	512	1,460	3,830	<u>1,110</u>	640	580	840	7,870	2,640	1,430	530	297
5.....	458	1,420	3,500e	1,080	640	570	940	9,020	2,350	1,530	503	279
6.....	352	1,600	3,600	1,070	630	560	1,170	13,000	3,360	1,410	503	304
7.....	408	1,640	4,000	1,000	620	560	1,530	15,900	<u>3,670</u>	1,420	485	304
8.....	383	1,600	4,700	900	620	570	1,600	16,000	2,710	1,280	432	284
9.....	432	1,410	4,500	860	620	560	1,740	16,000	2,580	1,200	476	273
10.....	391	1,390	3,500e	840	630	540	1,750	14,800	2,220	1,180	494	279
11.....	424	1,350	2,900b	800	600	520	1,730	14,000	1,730	1,090	485	<u>239</u>
12.....	449	1,270	2,400	900	600	500	1,600	17,900	1,880	1,290	416	267
13.....	485	1,350	2,600	900	590	470	1,450	15,100	1,740	1,250	416	476
14.....	485	1,420	2,500	940	580	460	1,440	14,400	1,630	1,310	408	<u>715</u>
15.....	467	1,340	2,300	950	640	500	1,450	<u>19,100</u>	1,570	1,070	408	503
16.....	367	1,520	2,400	970	<u>780</u>	490	1,430	17,000	1,530	1,010	391	399
17.....	408	1,500	2,200	920	780	490	2,300	13,900	1,500	932	359	345
18.....	383	1,560	1,800	860	770	500	3,700	11,700	1,450	867	352	338
19.....	416	1,530	1,600	840	740	510	3,650	9,570	1,320	841	359	311
20.....	467	1,250	1,500	840	720	480	3,600	8,430	<u>1,220</u>	880	359	331
21.....	521	1,090	1,200	840	680	520	3,500	7,310	1,650	1,090	359	338
22.....	359	<u>1,050</u>	1,100	860	640	500	3,400	6,330	1,960	1,060	391	317
23.....	<u>331</u>	1,210	<u>1,070</u>	860	630	475	3,600	5,530	1,520	880	440	304
24.....	399	1,340	1,080	840	640	460	4,700b	5,200	1,530	802	432	297
25.....	467	2,280	1,080	810	630	450	4,780	4,640	2,310	776	424	297
26.....	2,760	5,860	1,100	760	610	440	4,760	4,250	3,380	815	383	297
27.....	<u>3,560</u>	4,620	1,100	740	620	420	4,600	3,880	2,550	692	352	297
28.....	2,530	4,180	1,160	720	<u>580</u>	410	5,060	3,450	2,110	658	<u>317</u>	297
29.....	2,060	<u>6,590</u>	1,150	680	580	<u>400</u>	6,260	3,070	1,860	658	324	304
30.....	1,820	6,360	1,100	660	-	430	<u>6,830</u>	3,050	1,730	658	338	297
31.....	1,590	-	1,090	<u>640</u>	-	425	-	<u>2,650</u>	-	<u>603</u>	338	-
Mean	808	2,130	2,440	871	644	502	2,710	9,860	2,120	1,090	430	333
Per sq.mi.	1.00	2.64	3.02	1.08	0.80	0.62	3.35	12.21	2.63	1.35	0.53	0.41
Acre-feet	49,700	126,700	150,000	53,530	37,070	30,860	161,000	606,000	126,100	67,040	26,440	19,800

The Year.....Discharge: Daily - Maximum 15 May, 19,100
 - Minimum 11 September, 239
 Instantaneous Maximum - 2 p.m., 15 May, 20,500
 Mean 2,000; Per Square Mile 2.48
 Runoff: Acre-feet 1,454,000; Depth in inches on drainage area 33.79

b - Ice conditions 11 December to 24 April.
 e - Estimated 5 to 10 December.

(International Gauging Station)

Location: Lat. 45° 34' 10", long. 67° 25' 45", Maine, on right bank at International Highway Bridge at Vanceboro, Washington County, four hundred feet downstream from Outlet of Spednik Lake. Drainage Area: 417 square miles. Gauge: Recording. Measurement of Discharge: From cableway. Period of Record: October 1928 to date. Average Discharge: (32 years) - 700 cfs. Extremes Recorded: Daily - Maximum, 30 November 1959, 4,820 cfs, Minimum, several times during October and November 1936 when flow was held back by cofferdam during repairs to dam just upstream, 1.9 cfs. Revisions: Drainage area, W.R.P. 123. Remarks: Records excellent except for estimated flows which are good. This station is maintained by United States under agreement with Canada.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	910	400	239	1,080	785	690	359	290	998	435	814	719
2.....	750	397	239	1,060	992	680	359	287	885	435	809	719
3.....	565	400	242	1,050	964	670	250	287	704	435	798	595
4.....	565	400	244	1,040	725	670	159	355	699	439	792	509
5.....	565	400	244	1,020	463	480	164	1,010	699	439	792	509
6.....	565	400	246	1,010	463	356	171	910	694	439	792	513
7.....	695	404	246	999	460	359	175	565	694	439	781	517
8.....	1,040	404	495	985	815	359	260	353	699	439	781	517
9.....	1,040	404	930	971	922	356	362	356	694	439	776	635
10.....	615	404	695	957	887	353	370	356	689	885	771	792
11.....	388	407	822	950	860	351	379	356	689	1,140	771	792
12.....	391	407	1,180	922	830	348	385	356	689	830	766	787
13.....	490	407	1,040	915	800	348	305	356	689	564	766	787
14.....	636	407	910	908	775	351	235	850	545	564	766	781
15.....	632	404	1,060	894	750	351	239	835	385	564	760	776
16.....	627	495	960	860	730	353	244	870	586	564	760	766
17.....	632	690	785	828	770	353	244	540	586	564	760	771
18.....	632	690	715	815	815	353	246	1,150	591	564	760	766
19.....	632	700	675	809	822	348	248	1,380	595	564	645	766
20.....	627	700	670	797	809	348	253	1,140	435	560	431	766
21.....	695	700	695	791	791	348	255	1,140	264	560	435	855
22.....	867	700	925	625	779	356	257	1,140	266	560	435	932
23.....	860	700	1,050	502	761	356	262	790	370	560	550	920
24.....	600	700	578	502	750	356	264	960	424	560	650	1,200
25.....	388	700	574	502	733	356	266	1,740	424	560	719	1,380
26.....	388	695	574	499	722	359	271	1,720	427	560	719	1,360
27.....	388	400	570	499	706	359	273	1,700	431	700	724	1,340
28.....	391	231	685	499	695	359	278	1,690	431	820	724	1,320
29.....	394	235	767	495	-	359	280	1,670	435	820	724	1,300
30.....	394	237	1,090	495	-	359	285	570	435	820	724	1,290
31.....	397	-	1,230	491	-	359	-	910	-	814	724	-
Mean	605	487	690	799	763	400	270	859	572	601	717	856
Per sq. mi.	-	-	-	-	-	-	-	-	-	-	-	-
Acre-feet	-	-	-	-	-	-	-	-	-	-	-	-

The Year.....Discharge: Daily - Maximum 25 May, 1,740

- Minimum 4 April, 159

Mean 635; Per Square Mile 1.52

Runoff: Acre-feet 459,600; Depth in inches on drainage area 20.66

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	1,270	<u>600</u>	<u>4,800</u>	1,190	<u>1,620</u>	1,700	1,340	<u>613</u>	730	<u>520</u>	<u>650</u>	<u>392</u>
2.....	840	600	4,790 ^e	1,190	1,610	1,670	1,320	629	767	520	639	392
3.....	<u>551</u>	600	4,750	1,560	1,590	1,660	1,310	639	767	520	634	386
4.....	551	604	4,650	1,660	1,560	1,880	1,310	644	767	1,330	623	379
5.....	1,080	609	4,570	1,120	1,530	<u>2,060</u>	1,330	785	767	<u>1,600</u>	618	376
6.....	<u>1,330</u>	613	4,480	1,120	1,520	2,010	1,370	855	773	1,600	613	370
7.....	1,310	613	4,390	1,120	1,510	1,980	1,020	683	773	1,570	608	<u>367</u>
8.....	855	613	3,710	1,130	1,490	1,940	779	688	773	1,550	603	370
9.....	564	618	2,630	1,130	1,470	1,900	792	694	779	1,530	597	370
10.....	564	618	2,380	1,130	1,450	1,880	811	694	779	1,510	587	376
11.....	564	618	1,860	1,130	1,150	1,850	817	694	779	1,470	587	373
12.....	564	623	1,890	1,120	882	1,860	824	694	779	1,460	577	373
13.....	564	623	2,960	1,120	<u>876</u>	1,770	885	694	779	1,440	572	382
14.....	870	623	4,450	1,120	876	1,740	1,050	712	779	1,430	567	389
15.....	1,260	627	2,640	1,120	882	1,710	1,070	1,800	767	1,410	475	386
16.....	1,250	627	1,490	1,120	889	1,640	1,080	3,160	767	1,390	405	386
17.....	1,240	632	1,980	1,120	889	1,580	1,090	<u>3,410</u>	760	1,370	440	382
18.....	1,240	641	2,260	1,120	889	1,400	1,120	2,760	760	1,350	450	382
19.....	1,230	641	2,260	1,110	882	1,060	1,150	2,900	754	1,320	446	379
20.....	1,210	641	2,260	1,110	882	1,040	1,180	2,060	754	1,300	442	382
21.....	1,200	641	1,870	1,100	882	1,040	1,190	1,090	1,530	1,280	442	382
22.....	1,180	641	<u>1,090</u>	1,090	882	1,020	1,690	1,100	<u>2,310</u>	1,360	439	382
23.....	1,170	641	1,640	1,090	970	1,020	1,980	1,090	2,260	1,240	435	379
24.....	1,150	646	1,460	1,080	1,010	1,010	2,000	1,090	1,220	1,230	431	379
25.....	890	1,280 ^e	1,210	1,080	1,160	1,000	<u>2,030</u>	1,090	<u>724</u>	1,210	427	379
26.....	577	3,170	1,210	<u>1,070</u>	1,610	991	1,800	1,090	1,600	1,180	420	376
27.....	586	3,650	1,210	1,070	1,690	<u>979</u>	1,540	1,090	2,140	1,160	416	376
28.....	595	4,040	1,210	1,440	1,740	1,160	925	1,860	1,980	1,140	409	376
29.....	595	4,800	1,210	<u>1,700</u>	1,710	1,390	<u>592</u>	2,870	1,730	780	405	376
30.....	595	<u>4,820</u>	1,210	1,670	-	1,370	608	3,170	770	656	402	376
31.....	600	-	1,210	1,660	-	1,360	-	1,250	-	656	<u>396</u>	-
Mean	905	1,220	2,570	1,210	1,240	1,510	1,200	1,370	1,050	1,230	508	379
Per sq.mi.	-	-	-	-	-	-	-	-	-	-	-	-
Acre-feet	-	-	-	-	-	-	-	-	-	-	-	-

The Year.....Discharge: Daily - Maximum 30 November, 4,820

- Minimum 7 September, 367

Mean 1,200; Per Square Mile 2.88

Runoff: Acre-feet 873,300; Depth in inches on drainage area 39.27

e - Estimated 25 November to 2 December.

(International Gauging Station)

Location: Lat. 45° 15' 55", long. 67° 28' 35", Maine, seven hundred feet downstream from power house of St. Croix Paper Company at Grand Falls and eight miles upstream from village of Woodland, Maine. Drainage Area: 1,320 square miles. Gauge: Recording. Measurement of Discharge: From cableway. Period of Record: November 1919 to date. Average Discharge: (41 years) - 2,240 cfs. Extremes Recorded: Daily - Maximum, 1 May 1923, 22,900 cfs, Minimum, 13 October 1957, 64 cfs; Instantaneous Maximum - 10 a.m., 1 May 1923, 23,300 cfs. Remarks: Records excellent. This station is maintained by the United States under agreement with Canada.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	2,060	3,200	2,870	2,470	777	785	2,640	3,810	2,220	3,170	1,020	2,660
2.....	2,510	2,470	2,820	2,310	2,030	1,950	2,850	2,960	2,860	2,370	768	3,020
3.....	2,820	2,260	2,420	1,290	2,540	2,250	4,220	2,640	2,750	2,990	2,170	2,900
4.....	1,570	2,480	2,460	704	2,480	2,250	4,720	3,530	2,860	1,540	2,900	4,670
5.....	1,180	2,640	2,480	1,880	2,580	2,680	6,320	3,250	2,960	1,650	2,760	4,210
6.....	2,170	2,690	2,570	2,190	2,600	2,840	7,560	2,900	3,000	2,620	3,040	3,650
7.....	1,990	2,640	1,260	2,280	1,420	1,480	7,600	2,990	1,350	2,900	2,760	3,080
8.....	1,610	1,390	1,800	2,430	777	768	7,600	2,580	1,890	2,990	2,680	3,390
9.....	1,630	673	1,430	2,140	2,070	2,330	7,530	2,960	2,690	3,000	1,120	2,980
10.....	1,640	1,970	2,280	1,320	2,660	3,080	7,400	1,260	2,650	3,000	2,030	2,780
11.....	1,750	2,560	2,530	785	2,740	2,890	6,580	2,190	2,930	1,470	2,990	2,650
12.....	644	2,510	2,400	1,830	2,660	3,080	6,350	2,770	2,790	2,100	2,990	2,930
13.....	1,300	2,400	2,200	2,120	2,720	2,940	6,670	2,430	2,640	4,100	2,930	1,230
14.....	1,670	2,700	1,240	2,350	1,370	1,650	5,540	2,330	1,320	4,500	3,100	2,190
15.....	1,700	2,630	2,140	2,500	794	794	4,720	2,820	2,370	3,900	1,290	3,000
16.....	1,580	1,340	2,800	2,260	2,220	2,130	4,300	2,880	3,000	3,210	752	2,690
17.....	1,890	1,810	2,500	1,790	2,470	2,870	4,180	1,290	3,060	3,080	1,980	2,840
18.....	1,010	2,440	2,540	1,820	1,730	2,840	2,900	2,330	5,920	1,360	2,960	2,930
19.....	658	2,660	2,460	2,410	2,070	3,020	3,040	2,960	8,680	712	2,990	1,270
20.....	1,430	2,740	1,320	2,740	2,170	2,900	4,300	2,950	8,080	2,340	3,080	659
21.....	1,530	2,840	803	2,470	1,320	1,410	4,190	2,860	7,470	2,960	3,080	2,280
22.....	1,600	2,680	1,830	2,500	794	673	3,960	2,730	7,320	2,850	1,380	2,940
23.....	1,740	2,800	2,260	2,510	1,930	2,280	4,040	1,980	5,840	3,060	785	2,980
24.....	1,530	2,540	1,920	1,310	2,470	2,930	4,040	1,350	5,450	3,080	2,310	2,750
25.....	1,020	2,610	720	838	2,760	2,930	3,770	2,220	4,620	1,400	2,960	2,990
26.....	613	2,460	736	1,870	2,580	2,880	3,740	2,910	4,010	688	2,940	2,990
27.....	1,720	2,930	644	2,720	2,210	2,920	4,130	2,950	2,690	2,510	2,730	1,470
28.....	2,250	2,740	681	2,370	1,380	1,360	4,020	3,120	2,400	2,910	2,650	2,280
29.....	2,580	3,470	1,820	2,660	-	681	4,000	2,920	3,420	2,980	3,050	2,940
30.....	3,780	3,440	2,480	2,620	-	2,230	3,810	2,840	3,700	3,120	1,360	2,930
31.....	3,210	-	2,440	1,320	-	2,800	-	1,380	-	2,880	2,410	-
Mean	1,750	2,490	2,000	2,030	2,010	2,210	4,890	2,620	3,760	2,630	2,320	2,740
Per sq. mi.	-	-	-	-	-	-	-	-	-	-	-	-
Acre-feet	-	-	-	-	-	-	-	-	-	-	-	-

The Year.....Discharge: Daily - Maximum 19 June, 8,680

- Minimum 26 October, 613

Mean 2,620; Per Square Mile 1.98

Runoff: Acre-feet 1,895,000; Depth in inches on drainage area 26.91

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	2,780	2,890	<u>15,200</u>	2,990	<u>2,240</u>	4,230	3,280	3,790	2,710	2,810	1,440	1,000
2.....	2,780	3,180	13,000	2,950	3,050	4,190	3,600	4,800	2,780	1,470	<u>2,690</u>	992
3.....	1,310	3,040	11,900	2,320	3,020	4,100	<u>2,280</u>	4,210	2,800	768	2,370	755
4.....	<u>659</u>	2,870	11,300	4,080	3,150	3,890	3,490	4,090	1,370	<u>750</u>	2,050	<u>498</u>
5.....	2,150	2,880	10,700	<u>4,390</u>	3,490	2,910	5,640	4,380	712	2,370	1,720	516
6.....	2,520	3,430	9,460	3,950	3,420	3,200	7,090	3,850	2,120	<u>2,990</u>	1,670	895
7.....	2,710	3,290	9,590	3,870	2,340	4,500	7,050	3,270	2,670	2,850	1,020	945
8.....	2,620	3,130	9,680	3,680	3,710	<u>4,590</u>	6,930	1,930	2,730	2,810	1,490	845
9.....	2,750	3,420	9,350	3,790	3,780	4,520	6,790	2,890	2,720	2,750	1,630	936
10.....	2,620	2,950	8,650	2,520	3,440	4,550	5,610	2,970	2,730	1,380	1,260	900
11.....	1,200	2,680	6,950	3,180	3,440	4,460	6,770	2,800	1,360	1,870	964	780
12.....	2,100	2,690	5,810	3,280	3,350	4,420	6,470	3,350	<u>644</u>	2,960	1,010	790
13.....	2,680	3,290	7,320	2,670	3,420	3,090	6,340	4,260	2,030	2,330	1,270	<u>1,630</u>
14.....	2,810	2,090	11,100	2,220	2,360	3,990	6,530	5,590	2,500	2,750	<u>700</u>	975
15.....	2,810	<u>1,310</u>	12,000	2,400	3,420	4,510	6,430	6,830	2,560	2,680	1,010	909
16.....	2,780	2,340	11,900	2,520	3,600	4,300	5,210	<u>9,040</u>	2,710	2,630	1,040	850
17.....	2,620	2,730	9,600	<u>1,680</u>	3,720	4,270	5,430	8,880	2,480	1,400	1,040	1,150
18.....	1,320	2,900	7,230	2,260	4,410	4,330	7,060	8,330	2,140	2,260	1,040	690
19.....	2,280	3,000	6,360	2,820	4,670	4,220	7,550	6,980	860	2,840	1,040	840
20.....	2,830	3,560	5,720	3,090	3,320	2,970	7,510	5,870	1,580	2,980	1,200	974
21.....	2,700	3,520	5,710	3,020	3,460	3,230	7,250	4,930	2,840	2,920	1,370	900
22.....	2,270	1,920	4,870	2,920	<u>4,940</u>	3,100	7,250	3,200	2,730	2,810	910	954
23.....	2,630	2,320	4,460	2,910	4,660	2,850	7,310	2,740	2,760	2,320	964	954
24.....	2,610	2,680	3,460	1,710	4,140	2,850	6,560	2,730	2,560	1,490	1,040	810
25.....	2,280	8,370	2,700	2,490	3,750	2,750	7,490	2,620	1,800	2,320	1,030	652
26.....	7,000	13,900	3,400	2,920	3,680	2,840	<u>7,510</u>	2,600	920	2,930	1,030	910
27.....	<u>8,390</u>	13,900	3,130	2,980	3,320	<u>1,580</u>	7,350	2,760	1,290	2,980	1,240	1,010
28.....	6,810	13,900	<u>2,420</u>	2,810	3,490	2,200	6,790	1,240	<u>2,870</u>	2,880	705	1,020
29.....	5,060	15,400	2,970	2,810	4,090	2,600	6,240	<u>580</u>	2,750	2,860	945	964
30.....	4,520	<u>16,900</u>	2,710	2,820	-	2,850	5,790	1,660	2,660	1,970	983	909
31.....	4,280	-	2,880	1,760	-	2,870	-	2,770	-	1,010	983	-
Mean	3,060	5,020	7,470	2,900	3,550	3,580	6,220	4,060	2,180	2,330	1,250	898
Per sq.mi.	-	-	-	-	-	-	-	-	-	-	-	-
Acre-feet	-	-	-	-	-	-	-	-	-	-	-	-

The Year.....Discharge: Daily - Maximum 30 November, 16,900

- Minimum 4 September, 498

Mean 3,540; Per Square Mile 2.68

Runoff: Acre-feet 2,571,000; Depth in inches on drainage area 36.53

(International Gauging Station)

Location: Lat. 47° 12' 25", long. 68° 57' 25", New Brunswick, near Connors, at outlet of Glazier Lake, Maine-New Brunswick border. Drainage Area: 520 square miles. Gauge: Recording. Measurement of Discharge: From cable-way and by wading at low water. Period of Record: October 1951 to date. Average Discharge: (9 years) - 895 cfs. Extremes Recorded: Daily - Maximum, 26 April 1958, 10,700 cfs, Minimum, 11 September 1960, 68 cfs; Instantaneous Maximum - 11 a.m., 26 April 1958, 10,800 cfs. Revisions: Drainage area, W.R.P. 130. Remarks: Records excellent except for estimated flows which are good. This station is maintained by Canada under agreement with the United States.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	493	475	541	276	255	159	142	4,530	692	714	380	512
2.....	479	462	527e	269	249	156	145	4,300	686	686	431	507
3.....	457	457	493	266	245	153	170	4,240	676	659	410	512
4.....	431	453	480e	262	239	150	199	4,220	670	633	385	561
5.....	423	436	466	259	232	150	259	4,230	649	601	357	596
6.....	410	423	453	252	229	150	406	4,300	622	566	338	643
7.....	385	414	440	249	223	159	633	4,500	576	541	315	654
8.....	372	414	431	242	217	159	895	4,760	541	507	293	649
9.....	368	410	423	239	211	159	1,140	4,870	527	466	269	612
10.....	364	436	414	236	205	156	1,390	4,770	541	435	262	566
11.....	380	431	406	229e	199	153	1,660	4,420	596	397	280	551
12.....	410	414	393	226	193	153	1,810	4,120	796	376	342	512
13.....	466	410	385e	223	187e	153	1,860	4,010	864	380	380	479
14.....	571	436e	376	220	184	153	1,860	3,910	926	364	440	435
15.....	643	480	372e	217	187	156	1,830	3,690	1,080	345	466	406
16.....	670	527	364	223	184	156	1,760	3,380	1,460	334	493	376
17.....	670	601	361	229	182	156	1,690	2,990	1,910	304	531	353
18.....	665	654	353	236e	179	156	1,590	2,650	2,020	286	638	327
19.....	643	708	349	242	184	156	1,550	2,300	1,920	269	725	312
20.....	622	777	342	249	182	156	1,590	2,040	1,750	259	808	290
21.....	601	765	334	255	179	153	1,730	1,830	1,590	249	833	272
22.....	576	737	330	262	176	156	1,880	1,660	1,420	239	802	266
23.....	551	708	323	266	176	153	1,980	1,500	1,310	223	725	259
24.....	536	681	319	269	173	150	2,200	1,350	1,190	217	654	262
25.....	512	654	312	276e	170	148	2,640	1,250	1,070	249	596	255
26.....	493	628	308	279	167	148	3,350	1,150	957	239	541	245
27.....	471	601	301	279e	164e	148	4,130	1,040	883	229	531	236
28.....	462	576	297	272	162	148	4,660	964	815	220	606	236
29.....	484	566	290	269	-	145	4,890	877	802	208	561	239
30.....	475	551	286	266	-	142	4,780	821	771	199	526	255
31.....	466	-	280	262	-	142	-	748	-	205	502	-
Mean	502	543e	379e	252e	198e	153	1,830	2,950	1,010	374	497	413
Per sq.mi.	0.96	1.04	0.73	0.48	0.38	0.29	3.51	5.67	1.94	0.72	0.96	0.79
Acre-feet	30,840	32,300	23,300	15,470	10,970	9,390	108,700	181,300	60,120	23,010	30,580	24,550

The Year.....Discharge: Daily - Maximum 29 April, 4,890

- Minimum 30, 31 March and 1 April, 142

Instantaneous Maximum 4 p.m., 29 April, 4,920

Mean 761; Per Square Mile 1.46

Runoff: Acre-feet 550,600; Depth in inches on drainage area 19.85

e - Estimated 14 November to 2 December, 4 to 13 December, 15 December to 11 January, 18 to 25 January, 27 January to 13 February and as indicated.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	<u>266</u>	895	<u>1,290</u>	<u>418</u>	229	<u>259</u>	<u>224</u>	4,300	<u>918</u>	<u>458</u>	<u>135</u>	82
2.....	304	839	1,210e	401	229	255	227	4,650	845	410	128	79
3.....	327	796	1,140	393	226	252	240	5,000	787	370	126	75
4.....	357	754	1,080	389	223	249	265	5,270e	760	346	121	71
5.....	368	<u>742</u>	1,020	376	220	245	309	5,620	734	358	119	71
6.....	376	777	970	372	217	239	410	6,260	728	309	119	69
7.....	372	920	951	361	217	232	525	6,310e	677	285	115	69
8.....	372	1,110	951	353	220	229	642	6,530	637	269	115	69
9.....	364	1,260	964	345	220	232	744	6,750	592	262	115	69
10.....	361	1,290	1,010	334	217	232	816	6,930	553	243	111	69
11.....	349	1,230	1,010	323	<u>214</u>	229	851	7,110	516	236	106	<u>68</u>
12.....	368	1,160	970	315	217	229	857	<u>7,170</u>	485	230	100	69
13.....	372	1,090	951	297	220	223	851	7,130	454	224	98	95
14.....	385	1,020	895	290	226	220	845	6,990	414	220	98	115
15.....	401	1,060	827	279	229	217	851	6,530	382	204	98	133
16.....	410	1,070	790	283	229	211	857	5,980e	374	195	96	162
17.....	406	1,110	765	279	229	208	875	5,680	<u>358</u>	187	95	187
18.....	401	1,150	725	272	232	211	973	5,000e	378	178	91	201
19.....	389	1,100	697	269	232	208	1,310e	4,300	382	170	89	<u>214</u>
20.....	376	1,050	670	269	236	208	1,560	3,420	419	176	91	214
21.....	376	964	638	269	252	208	1,800	2,970	441	167	100	208
22.....	357	914	601	269	276	208	2,040	2,700	441	160	98	198
23.....	342	846	571	259	<u>279</u>	211	2,250	2,520	441	162	96	195
24.....	345	815	541	255	276	205	2,390	2,250	436	162	95	187
25.....	376	846	512	252	272	202	2,520	1,910e	480	160	89	173
26.....	462	970	497	249	276	199	2,700	1,720	503	149	86	167
27.....	633	1,170e	484	245	279	199	2,970	1,540	521	144	84	167
28.....	846	1,400	479	242	272	199	3,290	1,370e	534	144	<u>82</u>	160
29.....	957	<u>1,430</u>	470	239	262	<u>196</u>	3,560	1,230	516	139	82	147
30.....	<u>964</u>	1,370	457	236	-	196	<u>3,900</u>	1,100	489	<u>133</u>	82	142
31.....	945	-	<u>435</u>	<u>232</u>	-	202	-	<u>979e</u>	-	139	82	-
Mean	499	1,040	793	302	239	220	1,390e	4,430e	540	225	101	131
Per sq.mi.	0.86	2.00	1.52	0.58	0.46	0.42	2.67	8.51	1.04	0.43	0.20	0.25
Acre-feet	27,620	61,780	48,740	18,570	13,740	13,510	82,620	272,200	32,120	13,860	6,230	7,790

The Year.....Discharge: Daily - Maximum 12 May, 7,170
 - Minimum 11 September, 68
 Instantaneous Maximum - 12 May (date estimated), 7,170
 Mean 825; Per Square Mile 1.59
 Runoff: Acre-feet 598,800; Depth in inches on drainage area 21.59

e - Estimated 27 November to 2 December, 19 April to 4 May, 7 to 16, 18 to 25 and 28 to 31 May.

(International Gauging Station)

Location: Lat. 47° 15' 25", long. 68° 35' 35", Maine, one-quarter mile below mouth of Fish River at Fort Kent.
Drainage Area: 5,690 square miles (not including Chamberlain Lake drainage of 240 square miles). Gauge: Recording.
Measurement of Discharge: From International Bridge and by cable on Fish River at Fort Kent Mills. Period of Record:
 October 1926 to date. Average Discharge: (34 years) - 9,560 cfs. Extremes Recorded: Daily - Maximum, 5 May 1933,
 117,000 cfs, Minimum, 13 to 15 March 1948, 510 cfs; Instantaneous Maximum - 5 May 1933, 121,000 cfs. Remarks:
 Records excellent except those under ice conditions which are fair. This station is maintained by the United States under
 agreement with Canada.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	4,330	8,060	4,760	2,990	2,260	1,300	2,380	39,800	5,720	13,400	4,040	8,900
2.....	4,240	7,730	4,490	2,950	2,140	1,310	2,560	40,200	6,080	12,500	6,190	11,500
3.....	4,050	7,390	4,720	2,920	2,070	1,310	3,190	40,000	7,110	12,000	4,580	14,300
4.....	3,880	6,930	5,370	2,900	1,990	1,320	4,160	38,800	8,080	13,000	3,520	14,900
5.....	3,840	6,430	5,470	2,870	1,920	1,360	5,370	38,600	7,270	11,900	2,900	14,900
6.....	3,840	6,080	5,680	2,840	1,850	1,450	7,940	39,800	6,190	9,980	2,480	12,200
7.....	3,760	5,910	5,330	2,810	1,810	1,550	10,400	41,400	5,390	8,560	2,180	9,930
8.....	3,660	5,930	4,850	2,750	1,770	1,600	12,800	42,900	4,920	7,430	1,990	8,440
9.....	3,670	5,990	4,540b	2,610	1,720	1,600	15,700	42,000	4,830	6,540	1,860	7,390
10.....	3,600	6,140	4,310	2,520	1,670	1,600	19,700b	38,000	5,490	5,850	1,810	6,700
11.....	3,810'	5,870	4,170	2,460	1,620	1,600	21,700	34,600	6,610	5,210	2,210	6,100
12.....	4,360	5,640	4,050	2,400	1,590	1,620	22,300	33,400	7,570	4,720	4,410	5,600
13.....	5,350	5,510	3,940	2,320	1,560	1,680	22,900	33,400	7,070	4,580	7,640	5,200
14.....	6,040	5,210	3,830	2,260	1,530	1,780	22,800	31,200	7,340	4,580	7,340	4,900
15.....	5,600	5,230	3,750	2,200	1,500	1,860	22,900	27,400	15,600	4,290	5,910	4,550
16.....	5,030	5,370	3,670	2,220	1,480	1,900	21,800	24,300	33,100	4,120	5,090	4,260
17.....	4,700	6,430	3,610	2,300	1,460	1,910	21,700	21,400	31,500	3,800	5,950	3,920
18.....	4,610	7,600	3,550	2,400	1,440	1,960	21,700b	18,800	25,200	3,400	11,300	3,660
19.....	5,830	7,660	3,500	2,480	1,420	1,970	21,700b	16,300	21,600	3,190	15,500	3,440
20.....	6,880	8,370	3,460	2,500	1,400	2,000	26,100b	14,300	23,100	3,040	14,400	3,230
21.....	6,430	10,900	3,420	2,460	1,380	2,060	29,100	12,900	21,000	2,840	11,800	3,080
22.....	5,700	11,100	3,370	2,440	1,360	2,130	29,600	12,100	17,700	2,610	10,500	2,980
23.....	5,130	9,960	3,340	2,440	1,350	2,180	29,300	11,500	15,200	2,400	11,500	2,900
24.....	4,770	8,900	3,320	2,520	1,330	2,200	32,000	11,000	13,400	2,260	10,300	2,920
25.....	4,590	7,780	3,250	2,640	1,320	2,220	38,200	10,500	11,900	2,440	8,710	2,880
26.....	4,650	6,250	3,160	2,710	1,310	2,230	45,400	9,500	10,400	2,680	7,180	4,990
27.....	5,250	5,640	3,110	2,680	1,300	2,240	51,000	8,660	9,330	2,630	6,760	6,580
28.....	5,390	5,370	3,050	2,640	1,300	2,240	51,400	7,890	8,730	2,340	11,900	5,530
29.....	6,120	5,070	3,020	2,560	-	2,260	47,200	7,090	8,350	2,210	15,000	4,630
30.....	7,230	5,130	3,010	2,480	-	2,260	42,600	6,540	10,100	2,290	11,800	4,310
31.....	7,990	-	3,010	2,380	-	2,270	-	6,020	-	2,400	9,600	-
Mean	4,980	6,850	3,940	2,570	1,600	1,840	23,500	24,500	12,200	5,460	7,300	6,490
Per sq. mi.	0.87	1.20	0.69	0.45	0.28	0.32	4.13	4.31	2.14	0.96	1.28	1.14
Acre-feet in 1,000	306.1	407.8	242.2	158.0	88.96	113.0	1,400	1,508	725.7	335.6	449.0	386.4

The Year.....Discharge: Daily - Maximum 28 April, 51,400
 - Minimum 27 February to 1 March, 1,300
 Instantaneous Maximum 5 a.m., 28 April, 52,700
 Mean 8,450; Per Square Mile 1.49
 Runoff: Acre-feet 6,120,000; Depth in inches on drainage area 20.16

b - Ice conditions 9 December to 10 April and as indicated.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	<u>4,220</u>	9,550	<u>18,100</u>	<u>3,890</u>	2,000	<u>2,760</u>	<u>2,540</u>	54,000	9,090	<u>6,040</u>	<u>2,150</u>	767
2.....	5,540	9,240	17,000	3,830	1,980	2,710	3,010	60,200	8,590	5,230	2,040	734
3.....	10,100	9,160	18,100	3,780	1,970	2,700	3,910	62,300	8,370	4,650	1,980	689
4.....	11,700	9,330	17,000	3,700	1,950	2,660	5,000	62,000	8,710	4,430	2,010	682
5.....	9,840	9,520	15,100	3,560	1,920	2,610	6,410	66,200	8,640	4,020	1,920	682
6.....	8,160	10,700	14,100	3,500	1,900	2,580	8,300	75,800	8,920	3,780	1,740	676
7.....	6,810	15,300	14,100	3,320	1,900	2,560	11,500	86,700	12,200	3,610	1,600	670
8.....	6,080	19,900	15,500	3,090	1,890	2,510	13,400	<u>90,600</u>	<u>12,400</u>	3,370	1,480	656
9.....	6,660	18,100	15,800b	2,980	1,880	2,470	14,500	90,200	10,800	3,200	1,430	644
10.....	9,210	15,300	14,000	2,850	<u>1,870</u>	2,460	13,100	88,600	9,190	2,980	1,370	637
11.....	10,500	13,000	12,200	2,800	1,890	2,420	12,800	83,200	7,990	2,880	1,300	<u>618</u>
12.....	10,200	11,700	11,000	2,710	1,920	2,380	12,200	72,300	7,070	3,020	1,270	624
13.....	10,000	10,900	10,200	2,610	2,110	2,340	12,000	60,700	6,320	3,110	1,340	1,070
14.....	9,670	10,500	9,810	2,560	2,340	2,330	11,900	57,600	5,680	3,080	1,260	2,210
15.....	8,540	11,500	9,690	2,510	2,480	2,300	12,000	70,500	5,210	3,640	1,160	4,430
16.....	7,530	15,000	9,810	2,480	2,620	2,270	12,800	82,400	5,010	3,760	1,080	<u>5,210</u>
17.....	6,810	16,600	9,500	2,460	2,750	2,260	14,100	74,100	<u>4,830</u>	3,300	997	4,070
18.....	6,320	15,300	8,900	2,420	2,980	2,230	18,100	60,500	5,190	2,850	927	3,220
19.....	5,890	12,500b	8,110	2,390	3,050	2,220	24,900	48,200	6,650	2,580	871	2,620
20.....	5,570	10,100b	7,460	2,350	<u>3,120</u>	2,210	32,000	40,600	9,840	2,590	920	2,240
21.....	5,330	8,420b	7,000	2,340	3,110	2,200	43,000b	34,400	9,500	2,790	1,260	1,930
22.....	5,000	<u>8,060</u>	6,410	2,300	3,040	2,190	44,200	29,400	8,730	4,200	1,120	1,720
23.....	4,740	8,560	6,100	2,260	2,980	2,180	40,600	25,500	7,760	4,740	1,080	1,580
24.....	4,770	9,280	5,800	2,220	2,910	2,140	37,400	22,500	6,790	4,100	1,140	1,420
25.....	6,880	11,500	5,490	2,190	2,850	2,120	36,700	19,900	7,090	3,810	1,380	1,290
26.....	13,700	19,400	5,310	2,140	2,840	2,110	38,300	17,500	9,260	4,140	1,160	1,220
27.....	<u>17,000</u>	<u>23,300</u>	5,090	2,110	2,870	2,090	40,400	15,200	11,700	3,730	1,040	1,160
28.....	15,000	22,200	4,810	2,100	2,840	2,080	42,000	13,400	10,300	3,200	913	1,100
29.....	12,800	21,600	4,590	2,070	2,830	2,060	43,800	12,100	8,490	2,750	836	1,040
30.....	11,200	20,600	4,310	2,040	-	<u>2,030</u>	<u>48,300</u>	10,900	7,040	2,400	808	1,020
31.....	10,100	-	<u>4,100</u>	<u>2,000</u>	-	2,200	-	<u>9,860</u>	-	<u>2,320</u>	<u>780</u>	-
Mean	8,580	13,500	10,100	2,700	2,440	2,330	22,000	51,500	8,250	3,560	1,300	1,550
Per sq.mi.	1.51	2.38	1.78	0.47	0.43	0.41	3.86	9.06	1.45	0.63	0.23	0.27
Acre-feet in 1,000	527.3	805.5	623.7	165.7	140.4	143.6	1,307	3,168	490.6	218.8	80.1	92.5

The Year.....Discharge: Daily - Maximum 8 May, 90,600
 - Minimum 11 September, 618
 Instantaneous Maximum - 11 a.m., 8 May, 91,000
 Mean 10,700; Per Square Mile 1.88
 Runoff: Acre-feet 7,764,000; Depth in inches on drainage area 25.58

b - Ice conditions 9 December to 21 April and as indicated.

Location: Lat. 47° 02' 24", long. 67° 44' 30", New Brunswick, below the Falls, eighteen hundred feet downstream from generating station of the New Brunswick Electric Power Commission, formerly owned by Gattineau Power Company. Drainage Area: 8,450 square miles. Gauge: Recording. Measurement of Discharge: From cableway. Period of Record: October 1930 to date. Average Discharge: (30 years) - 14,000 cfs. Extremes Recorded: Daily - Maximum, 5 May 1933, 152,000 cfs, Minimum, 4 March 1934, 420 cfs; Instantaneous Maximum - 4 p.m., 23 March 1936, 160,000 cfs. Revisions: Revised monthly and annual discharges for water years 1930-31 and 1931-32 are included in a summary in W.R.P. 83. Details of these revisions may be obtained upon application to the District Engineer at Halifax for address see page 11. Drainage area, W.R.P. 120. Remarks: Records excellent except those under ice conditions which are fair.

Monthly Discharge for Water Year 1958-59

Month	Discharge in Cubic Feet per Second				Runoff	
	Mean	Effect of Upstream Storage*	Natural Mean Flow	Per Square Mile	Depth in inches on Drainage Area	Total in Acre-feet
October	7,050	- 14	7,030	0.83	0.96	432,300
November	8,220	+ 14	8,240	0.97	1.09	490,200
December	5,100	- 27	5,070	0.60	0.69	311,700
January	3,530	- 335	3,190	0.38	0.44	196,200
February	2,940	- 619	2,320	0.27	0.29	128,700
March	2,430	- 717	1,710	0.20	0.23	105,000
April	32,700	+1,440	34,200	4.04	4.51	2,032,000
May	36,800	+ 243	37,000	4.38	5.05	2,276,000
June	17,800	- 14	17,800	2.10	2.34	1,056,000
July	7,880	- 175	7,700	0.91	1.05	473,600
August	9,330	- 41	9,290	1.10	1.27	571,000
September	9,350	- 166	9,180	1.09	1.21	546,200
The Year	11,900	- 33	11,900	1.41	19.13	8,619,000

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	7,000	10,100	6,180	1,250	1,780	1,170	2,760	56,600	8,420	15,200	6,460	12,300
2.....	7,600	9,020	6,600	3,340	1,220	1,150	2,830	55,400	10,200	16,300	4,850	13,600
3.....	7,500	8,600	6,440	4,730	3,530	2,850	4,760	56,100	10,900	15,900	6,180	18,100
4.....	7,200	8,220	5,880	2,030	3,640	3,150	6,760	55,900	11,000	15,800	6,840	24,700
5.....	3,660	7,600	6,080	2,570	4,000	2,870	4,200	55,500	10,700	15,300	6,040	20,800
6.....	5,540	8,020	6,580	4,320	4,060	2,870	12,500	56,800	9,580	12,900	5,260	17,400
7.....	6,800	7,550	3,880	3,650	5,010	2,890	18,400	59,700	8,420	11,400	5,100	14,500
8.....	7,170	7,320	5,980	3,780	1,560	1,090	23,400	62,000	7,200	10,100	5,160	12,200
9.....	7,150	6,360	6,560	3,900	2,010	1,130	25,400	61,700	7,350	8,850	2,480	10,500
10.....	7,170	8,020	6,390b	3,900	3,740	2,790	27,900	57,500	14,500	8,570	2,770	8,770
11.....	7,120	7,870	6,540	1,800	3,750	2,760	29,500	51,900	16,400	7,400	4,710	8,600
12.....	3,550	6,860	5,870	2,330	3,710	2,980	29,200	49,600	15,700	6,860	5,640	7,920
13.....	6,100	6,800	5,910	3,670	3,500	3,280	31,100	49,100	15,400	7,520	6,540	7,400
14.....	9,160	6,640	2,670	3,540	3,170	3,370	31,700	47,900	16,200	7,120	6,760	7,150
15.....	8,400	6,560	5,180	3,520	1,280	610	31,400	43,500	21,300	7,150	7,450	6,760
16.....	7,250	5,240	5,610	3,530	1,760	1,060	30,800	39,000	35,100	6,840	6,480	6,820
17.....	6,840	6,280	5,510	3,490	3,070	2,870	30,200	34,800	42,100	6,900	7,120	6,800
18.....	6,600	8,350	5,460	1,570	3,090	3,780	30,000	31,500	36,500	6,820	11,500	6,920
19.....	7,600	9,690	5,630	1,980	3,300	3,680	32,200	28,100	30,600	3,020	16,700	6,160
20.....	8,700	10,500	5,780	4,430	3,470	3,450	36,700	26,300	28,900	1,760	17,100	2,750
21.....	8,380	11,900	2,790	5,350	3,220	3,240	38,500	23,700	28,100	4,980	14,900	2,050
22.....	7,450	14,100	5,180	5,430	1,270	1,290	45,000b	22,000	24,200	5,120	12,500	6,180
23.....	6,940	13,000	5,730	4,950	1,700	1,010	39,300	18,500	21,600	4,940	12,400	6,420
24.....	6,660	11,900	3,960	4,460	3,050	2,560	42,100	17,600	19,100	5,220	12,600	6,460
25.....	6,620	9,770	860	770	3,230	3,160	49,800	15,700	17,600	5,820	11,100	6,640
26.....	5,340	7,100	2,950	1,210	3,070	3,200	59,400	14,100	15,100	2,870	9,750	6,600
27.....	6,100	6,540	4,550	4,270	3,030	3,210	67,100	11,900	13,300	1,820	9,770	6,540
28.....	7,040	5,960	2,380	4,900	3,010	3,130	70,000	10,600	12,300	5,360	15,800	6,300
29.....	7,930	6,500	4,850	4,820	-	1,130	67,300	9,490	12,300	5,560	19,300	6,700
30.....	8,880	4,340	5,060	4,770	-	1,140	61,100	8,960	12,900	5,520	16,600	6,320
31.....	8,960	-	4,830	5,050	-	2,320	-	8,470	-	5,280	13,300	-

The Year.....Discharge: Daily - Maximum 28 April, 70,000
 - Minimum 15 March, 610
 Instantaneous Maximum 1 p.m., 28 April, 71,000

b - Ice conditions 10 December to 22 April.

* - Storage in Lake Temiscouata.

Monthly Discharge for Water Year 1959-60

Month	Discharge in Cubic Feet per Second				Runoff	
	Mean	Effect of Upstream Storage*	Natural Mean Flow	Per Square Mile	Depth in inches on Drainage Area	Total in Acre-feet
October	11,300	+ 349	11,700	1.38	1.59	717,900
November	20,500	+ 42	20,500	2.43	2.71	1,220,000
December	15,600	0	15,600	1.85	2.13	959,800
January	5,250	- 349	4,900	0.58	0.67	301,000
February	4,170	- 557	3,610	0.43	0.46	207,900
March	3,970	- 773	3,200	0.38	0.44	196,700
April	31,600	+1,350	32,900	3.89	4.34	1,958,000
May	72,900	- 94	72,800	8.62	9.93	4,477,000
June	10,700	+ 444	11,100	1.31	1.47	660,800
July	5,030	- 484	4,550	0.54	0.62	279,500
August	2,360	- 697	1,670	0.20	0.23	121,700
September	2,420	- 406	2,010	0.24	0.27	119,700
The Year	15,500	- 100	15,400	1.83	24.85	11,200,000

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	6,900	14,500	28,200	5,100	3,900	4,900	5,580	72,300	14,800	10,000	2,860e	2,590
2.....	7,250	14,600	22,000	9,360	4,300	4,850	6,560	82,300	12,100	6,260	4,480	2,600
3.....	7,850	14,400	24,300	5,400	4,200	4,500	5,220	86,300	11,100	5,880	4,500	2,160
4.....	14,100	13,700	25,700	6,900	4,200	5,050	5,640	85,800	10,700	5,040	3,750	630e
5.....	12,500	14,400	23,400	7,250	4,500	5,300	10,000	87,800	13,800	6,980	2,700	430e
6.....	10,500	16,200	20,700	7,100	4,900	2,200	15,700	96,500	12,200	6,340	2,580	740e
7.....	8,400	20,100	20,800	7,000	1,800	3,700	18,200	112,000	12,400	6,200	660e	2,270
8.....	8,070	24,800	24,700	6,600	3,200	5,200	19,200	124,000	14,300	5,440	720e	2,340
9.....	7,100	26,200	24,000	6,600	4,100	5,400	20,400	126,000	14,000	5,320	3,000	2,500
10.....	10,000	23,000	23,700	2,200	4,250	5,200	20,400	123,000	11,900	2,170e	2,970	2,310
11.....	11,500	19,900	19,800	4,700	3,600	4,800	19,800	117,000	10,600	1,960e	2,950	860e
12.....	13,400	18,700	14,900	6,000	4,100	4,200	19,400	105,000	10,400	4,500	3,030	570e
13.....	12,900	17,600	14,400	6,000	3,800	1,700	18,700	89,800	8,300	4,680	2,890	2,560
14.....	12,100	16,400	16,100	6,100	1,600	3,350	18,400	81,200	7,750	5,160	1,070e	2,570
15.....	10,900	18,000	15,300	6,850	3,900	4,100	17,800	92,400	7,220	5,560	810e	3,840
16.....	9,610	19,300	15,400	7,000	4,100	4,000	18,700	109,000	7,420	5,520	2,640	6,380
17.....	8,770	21,800	15,900	2,500	4,700	4,000	20,100	108,000	7,470	2,110e	2,700	5,320
18.....	8,400	22,400	14,600	5,000	5,100	4,100	26,700	91,000	7,320	2,210e	2,720	1,010e
19.....	7,870	19,600	12,700	4,850	5,500	4,200	38,300	70,900	4,060	5,420	2,680	3,120e
20.....	7,470	16,500	11,600	4,500	5,700	1,600	46,600	59,800	11,100	5,680	2,710	3,390
21.....	7,420	13,300	11,000	4,600	2,400	3,200	58,900	52,100	15,300	4,770	1,000e	3,370
22.....	7,450	11,600	10,300	4,900	4,200	4,000b	60,700	44,900	12,800	4,370	870e	3,400
23.....	7,470	13,000	8,600b	5,200	5,500	4,200	65,000	39,700	10,100	6,080	2,660	3,720
24.....	7,040	14,400	9,600	2,200	5,800	4,000	53,000	34,900	8,270	3,730	2,600	2,090e
25.....	8,770	22,300	7,500	3,800	5,500	3,960	50,500	31,600	8,930	4,800	2,630	600e
26.....	20,200	31,400	7,850	5,000	5,500	4,340	52,400	28,600	10,300	5,540	2,540	710e
27.....	24,500	33,600	7,700	4,800	5,100	2,470	52,800	25,800	12,800	5,580	1,990	2,010
28.....	22,500	34,200	8,400	4,600	1,900	2,950	56,800	23,000	12,800	5,560	870e	2,780
29.....	19,100	36,400	8,200	4,500	3,600	3,930	60,000	21,800	10,500	5,640	710e	2,780
30.....	16,300	31,700	7,800	4,300	-	3,600	65,100	19,700	9,190	5,240	2,560	2,860
31.....	14,800	-	8,750	1,700	-	4,140	-	17,700	-	2,190	2,590	-

The Year.....Discharge: Daily - Maximum 9 May, 126,000
- Minimum 5 September, 430e
Instantaneous Maximum at midnight, 8 May, 126,000

b - Ice conditions 23 December to 22 March.

e - Estimated.

* - Storage in Lake Temniscouata.

Location: Lat. 46° 26' 12", long. 67° 37' 12", New Brunswick, at highway bridge, East Florenceville. Drainage Area: 13,200 square miles. Gauge: Recording. Measurement of Discharge: From bridge. Period of Record: June 1951 to date. Average Discharge: (9 years) - 22,500 cfs. Extremes Recorded: Daily - Maximum, 25 April 1958, 240,000 cfs, Minimum, 9 September 1957, 466 cfs; Instantaneous Maximum - 2 a.m., 26 April 1958, 244,000 cfs. Revisions: 1951-52, W.R.P. 116. Drainage area, W.R.P. 120 and 130. Remarks: Records excellent under open-water conditions; fair during periods of ice effect and estimated flows.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	12,400	19,900	10,700	5,400	5,400	3,700	4,800	86,100	11,500	17,100	8,380	23,800
2.....	12,500	16,800	9,710	5,000	4,000	3,700	4,500	83,000	15,700	17,500	8,650	18,200
3.....	12,200	15,800	11,300	6,200	3,800	5,000	9,600	83,000	16,000	20,900	6,430	20,400
4.....	13,000	15,200	12,700	5,800	4,800	5,400	15,500	82,700	16,000	20,600	8,890	32,000
5.....	10,400	14,800	11,200	5,600	5,800	4,500	21,000	82,700	15,500	20,200	8,210	33,600
6.....	9,370	13,900	13,000	6,400	6,800	5,200	25,000	83,700	14,100	18,100	6,170	27,400
7.....	9,990	13,900	11,000	6,600	5,800	4,500	36,000	87,100	12,800	17,100	6,700	20,000
8.....	12,100	12,900	12,100	5,800	5,200	2,700	39,000	90,200	13,400	14,800	6,200	20,600
9.....	13,200	12,300	11,900	5,400	3,500	3,000	45,000	88,700	10,400	12,400	5,230	22,000
10.....	13,200	12,900	11,200	4,500	3,800	4,600	50,000	82,200	13,400	12,400	4,690	14,700
11.....	11,800	13,900	13,200	3,500	4,000	4,000	54,000	74,400	21,600	12,000	6,160	12,400
12.....	10,000	13,400	14,200	5,400	5,000	5,000	55,000	69,700	21,900	9,120	8,100	13,600
13.....	11,600	13,600	14,300	5,400	5,200	4,800	54,000	68,400	21,200	9,010	8,960	8,950
14.....	12,100	12,200	11,400	6,600	4,800	4,500	54,000	67,200	20,300	9,590	10,100	10,600
15.....	12,700	11,600	12,800	6,600	4,000	3,500	54,000	62,500	25,500	8,740	9,750	10,800
16.....	13,700	10,800	10,500b	7,000	4,000	3,500	55,000	55,600	39,100	11,700	10,300	10,100
17.....	12,100	12,800	11,500	6,200	4,200	4,000	48,000	49,400	52,900	7,890	9,420	9,180
18.....	12,500	12,700	10,000	6,200	4,000	5,600	53,000	44,000	48,000	8,850	14,900	9,440
19.....	9,300	15,000	10,500	4,300	3,900	6,000	52,000	38,900	41,200	7,930	21,600	9,290
20.....	11,700	16,700	10,000	7,000	4,700	4,000	59,000b	35,800	39,600	6,550	22,500	7,930
21.....	14,300	18,800	10,500	9,600	5,200	4,800	58,000	32,400	38,000	3,420	20,700	5,890
22.....	12,300	20,500	11,000	9,600	4,000	4,000	63,200	30,500	35,100	4,420	17,200	5,750
23.....	11,100	21,100	10,000	8,200	3,900	3,500	65,000	28,300	30,800	6,270	14,500	7,350
24.....	12,800	18,600	8,000	8,200	4,900	4,000	67,400	26,900	27,300	7,750	15,700	8,170
25.....	11,800	18,200	6,500	5,800	4,700	4,000	72,500	22,000	23,100	6,450	14,900	10,500
26.....	8,960	16,000	6,000	5,000	5,000	4,500	80,200	21,700	21,900	5,980	13,000	10,000
27.....	10,800	12,200	7,000	6,400	5,000	4,500	97,300	18,200	20,500	2,300	12,600	8,030
28.....	40,600	9,690	6,500	7,400	5,400	5,000	107,000	17,500	16,200	3,970	16,600	5,830
29.....	11,300	10,200	9,000	7,800	-	1,800	102,000	18,900	16,800	7,980	22,100	9,080
30.....	15,200	8,080	9,000	7,800	-	2,700	92,600	12,600	17,600	7,450	21,100	8,610
31.....	16,600	-	8,500	8,000	-	4,000	-	12,800	-	6,640	21,100	-
Mean	12,000	14,500	10,500	6,410	4,670	4,190	53,100	53,500	23,900	10,500	12,300	13,800
Per sq. mi.	0.91	1.10	0.79	0.49	0.35	0.32	4.02	4.05	1.81	0.79	0.93	1.05
Acre-feet in 1,000	737.1	861.8	645	394.1	259.4	257.9	3,161	3,287	1,423	644.8	755.4	821.6

The Year.....Discharge: Daily - Maximum 28 April, 107,000
 - Minimum 29 March, 1,800
 Instantaneous Maximum - 5 p.m., 28 April, 109,000
 Mean 18,300; Per Square Mile 1.39
 Runoff: Acre-feet 13,250,000; Depth in inches on drainage area 18.82

b - Ice conditions 16 December to 20 April.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	8,480	24,600	63,900	12,500	7,800	6,400	11,000	114,000	19,500	14,300	5,330	3,600
2.....	11,900	23,300	53,100	11,500	6,400	8,400	13,000	125,000	18,000e	10,800	7,310	3,200
3.....	10,400	23,700	48,100	13,500	6,800	8,000	12,500	133,000	17,300	9,260	6,070	3,700
4.....	11,200	22,700	45,900	10,000	7,600	8,200	12,000	131,000	16,700	9,930	5,910	1,600
5.....	16,200	23,000	43,700	13,000	8,200	8,800	22,000	133,000	17,400	9,020	5,930	2,200
6.....	16,100	24,700	39,500	13,000	7,800	8,600	35,000	142,000	23,300	10,800	5,350	1,400
7.....	12,900	28,700	37,700	13,000	6,800	5,600	47,000	158,000	26,300	10,800	1,900e	3,000
8.....	10,900	33,900	44,900	12,500	6,400	7,400	45,000	170,000	26,400	10,500	2,200	3,800
9.....	10,300	36,500	46,000	11,500	6,600	8,200	44,000	169,000	24,100	10,700	4,700	3,000
10.....	11,000	32,500	42,200	8,000	7,200	8,400	45,000	164,000	21,800	7,440	4,900	3,400
11.....	13,900	29,000	34,900	8,000	7,600	8,200	43,000	157,000	16,900	7,860	5,100	1,900
12.....	14,200	28,800	28,400	9,200	7,600	8,200	41,000	150,000	14,800	7,820	4,700	2,000
13.....	17,400	26,200	27,000	10,500	8,400	6,400	41,000	130,000e	14,600	6,630	4,500	3,700
14.....	16,300	25,700	32,200	10,500	8,600	4,900	32,000	115,000e	13,300	9,780	1,700	3,400
15.....	15,600	27,000	31,100	10,200	8,000	6,600	32,000	130,000e	12,000	12,200	2,800	3,800e
16.....	12,600	30,800	29,300	11,000	10,000	6,100	33,000	167,000	10,200	8,960	4,500	7,350
17.....	13,000	32,400	28,400	9,000	10,800	7,100	36,000	159,000	14,700	6,650	4,500	8,180
18.....	9,850	34,200	26,800	7,800	11,700	6,800	45,000	130,000e	10,100	5,690	4,300	4,230
19.....	10,000	31,000	23,700	9,600	11,700	7,500	70,000b	100,000	10,600	9,250	3,600	3,540
20.....	11,400	26,000	21,000b	8,600	11,000	5,600	85,400	86,000	11,200	10,600	2,700	5,060
21.....	9,340	21,600	18,000	8,200	10,300	5,400	94,600	72,000	18,400	6,780	1,800	4,260
22.....	10,000	18,700	15,500	9,200	8,000	7,200	96,900	62,000	17,900	10,200	2,300	3,880
23.....	10,500	18,400	14,000	9,200	10,200	7,600	101,000	52,000	16,200	8,540	4,200	4,470
24.....	10,100	21,600	14,500	7,600	10,200	7,000	87,000	47,000	14,000	7,310	3,700	4,810
25.....	10,000	36,600	14,500	7,600	10,200	7,000	83,600	43,000	15,100	7,730	3,500	1,790
26.....	39,400	69,900	14,000	8,600	10,000	6,600	86,500	39,000	19,200	8,430	3,500	2,340
27.....	44,700	67,400	14,000	8,800	9,600	3,500	86,900	33,000	21,800	8,590	3,000	2,990
28.....	41,400	66,800	14,500	8,200	8,600	4,500	90,100	29,000	21,800	9,310	2,500	3,730
29.....	34,800	89,300e	13,500	8,600	8,700	4,900	98,000	28,500	18,000	8,040	2,700	3,060
30.....	29,200	81,600	13,500	8,900	-	7,000	106,000	21,500	17,200	8,330	4,000	3,370
31.....	26,000	-	13,800	5,500	-	6,000	-	23,000	-	5,050	3,700	-
Mean	16,700	35,200	29,300	9,780	8,720	6,840	55,900	104,000e	17,300	8,950	3,960e	3,560e
Per sq.mi.	1.27	2.67	2.22	0.74	0.66	0.52	4.23	7.85	1.31	0.68	0.30	0.27
Acre-feet in 1,000	1,030	2,096	1,800	601.6	501.4	420.7	3,323	6,373	1,029	550	243.8	211.8

The Year.....Discharge: Daily - Maximum 8 May, 170,000
 - Minimum 6 September, 1,400
 Instantaneous Maximum - 9 a.m., 9 May, 171,000
 Mean 25,000; Per Square Mile 1.90
 Runoff: Acre-feet 18,180,000; Depth in inches on drainage area 25.82

b - Ice conditions 20 December to 19 April.

e - Estimated 18 May to 2 June, 7 August to 15 September and as indicated.

Location: Lat. 45° 58' 00", long. 67° 14' 30", New Brunswick, at highway bridge, Pokiok. Drainage Area: 15,000 square miles. Gauge: Chain, read daily; recording since May 1960. Measurement of Discharge: From bridge. Period of Record: August 1918 to date. Average Discharge: (42 years) - 24,400 cfs. Extremes Recorded: Daily - Maximum, 25 April 1958, 258,000 cfs, Minimum, 6 and 10 September 1957, 990 cfs. Revisions: Drainage area, W.R.P. 120 and 130. Remarks: Records good to May 1960 and excellent thereafter except those under ice conditions which are fair.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	11,100	23,200	11,800	7,000	7,000	5,000	5,800	98,900	12,700	23,000	7,640	17,000
2.....	17,600	26,100	14,900	6,400	6,000	4,500	5,600	94,900	14,100	23,900	11,700	20,300
3.....	13,100	19,300	11,800	6,800	5,000	4,500	10,500	94,000	17,500	25,400	6,220	21,200
4.....	13,800	20,500	14,900	7,000	4,500	5,200	15,000	92,100	17,100	26,400	10,400	35,800
5.....	14,100	19,700	22,700	6,800	5,000	6,000	22,000	91,100	16,300	23,500	10,400	41,000
6.....	11,100	19,300	14,500	6,600	7,400	5,400	27,000	90,300	16,700	21,700	9,530	35,200
7.....	10,800	18,800	16,400	7,000	8,000	5,800	37,000	94,900	15,100	20,400	7,890	29,300
8.....	13,500	19,300	12,800	6,600	6,400	4,500	45,000	97,900	13,000	19,100	7,640	23,400
9.....	14,900	18,000	15,600	6,400	5,000	4,000	48,000	98,900	12,000	15,900	6,000	19,900
10.....	12,100	15,600	14,100	5,000	4,500	4,200	54,000b	93,000	11,100	14,000	5,780	19,500
11.....	16,000	18,000	12,100	4,500	4,500	4,500	78,500	85,600	18,700	14,800	5,170	13,700
12.....	15,600	18,000	13,500	5,600	5,400	5,200	76,000	77,700	22,600	13,400	9,240	16,200
13.....	11,400	18,800	16,400	6,000	5,800	5,400	74,400	73,500	23,100	7,390	8,690	13,300
14.....	15,200	16,400	16,800	6,400	5,400	5,600	71,900	74,400	24,400	13,000	9,240	10,700
15.....	15,200	15,200	13,500	8,000	4,500	5,000	68,600	71,900	23,900	13,000	11,300	12,600
16.....	16,800	16,400	15,000b	7,400	4,500	4,500	67,000	66,200	32,600	11,300	11,000	12,600
17.....	16,800	13,100	12,000	7,800	4,800	4,000	63,000	59,000	54,400	14,000	9,500	9,760
18.....	16,400	13,100	14,000	7,400	4,500	5,400	59,800	47,300	57,400	9,240	10,100	10,100
19.....	16,800	17,200	12,500	6,000	4,500	6,200	62,200	46,600	49,300	9,530	20,800	9,190
20.....	9,350	21,800	13,000	6,600	5,000	6,800	68,600	40,500	45,300	8,420	27,400	10,100
21.....	14,900	21,800	13,500	9,000	5,800	6,000	76,000	38,200	44,100	7,150	24,900	8,360
22.....	16,800	26,100	14,000	10,500	5,000	5,200	81,200	34,200	39,900	3,830	22,500	7,100
23.....	9,940	27,100	13,500	11,000	4,500	4,500	85,700	33,600	37,000	5,370	17,400	7,340
24.....	14,100	24,100	11,500	9,400	5,200	4,500	86,600e	28,900	32,500	7,640	15,100	9,470
25.....	14,900	21,400	9,500	9,800	5,400	4,500	88,400	30,400	30,400	8,420	17,000	10,700
26.....	13,500	19,300	8,500	8,000	5,800	5,000	104,000	25,400	24,900	7,890	15,100	11,600
27.....	9,640	21,000	7,500	6,800	5,600	5,000	115,000	24,900	22,600	7,890	14,700	9,760
28.....	15,200	14,900	8,500	8,000	6,000	5,400	122,000	20,400	20,800	3,160	15,100	8,360
29.....	18,000	16,000	8,000	9,000	-	4,500	118,000	21,700	17,500	4,200	23,400	10,100
30.....	21,000	13,500	10,000	9,000	-	3,500	110,000	16,300	20,000	8,960	26,800	9,470
31.....	23,600	-	10,000	9,200	-	4,000	-	14,400	-	7,890	23,400	-
Mean	14,600	19,100	13,000	7,450	5,390	4,960	64,900	60,600	26,200	12,900	13,600	15,800
Per sq. mi.	0.97	1.27	0.87	0.50	0.36	0.33	4.33	4.04	1.75	0.86	0.91	1.05
Acre-feet in 1,000	899	1,137	798.9	458.2	299.5	305.1	386.1	372.3	156.1	793	835.1	938.4

The Year.....Discharge: Daily - Maximum 28 April, 122,000

- Minimum 28 July, 3,160

Mean 21,600; Per Square Mile 1.44

Runoff: Acre-feet 15,610,000; Depth in inches on drainage area 19.51

b - Ice conditions 16 December to 10 April.

e - Estimated.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	9,190	32,800	91,600	13,500	8,200	7,000	12,000	129,000	24,700	17,500	4,930	4,330
2.....	11,000	32,300	74,000	12,500	6,600	8,600	14,000	143,000	21,500	12,300	6,630	4,290
3.....	12,300	30,200	57,800	14,000	7,200	8,200	13,500	155,000	19,200	11,700	7,660	3,890
4.....	11,300	29,700	57,000	11,000	8,000	8,400	13,000	146,000	18,400	9,210	6,170	4,080
5.....	17,400	28,700	54,800	13,500	8,600	9,000	20,000	149,000	17,500	10,900	6,810	2,370
6.....	17,800	29,200	48,300	13,500	8,200	9,000	36,000	155,000	22,500	10,300	6,630	2,620
7.....	17,000	32,300	44,400	13,500	7,200	6,000	45,000	167,000	28,400	11,500	5,350	2,230
8.....	13,000	36,200	49,700	13,000	6,600	7,600	45,000	185,000	28,300	10,700	2,860	3,240
9.....	12,000	40,800	60,200	12,500	7,000	8,400	43,000	183,000	26,800	11,300	3,390	4,230
10.....	10,100	39,600	56,300	8,400	7,400	8,600	43,000	177,000	24,600	11,100	5,370	3,730
11.....	17,400	35,600	48,300	8,400	7,800	8,600	42,000	169,000	20,600	7,760	5,910	4,140
12.....	12,300	31,700	37,300	9,600	7,800	8,600	40,000	165,000	15,700	8,150	5,980	2,710
13.....	21,200	31,200	32,800	11,000	8,600	6,600	39,000	149,000	15,300	8,880	5,590	4,910
14.....	19,500	31,700	39,600	11,000	9,000	5,200	37,000	135,000	14,800	8,880	5,270	4,500
15.....	19,000	29,700	41,400	11,000	9,000	7,000	36,000	159,000	11,900	12,300	3,130	4,540
16.....	15,100	33,900	38,500	11,500	10,500	6,600	38,000	187,000	11,300	13,400	3,420	5,250
17.....	15,400	35,000	35,000	10,500	11,000	7,600	40,000	180,000	13,100	9,020	5,310	8,230
18.....	15,100	37,900	32,800	8,400	12,000	8,000	50,000	153,000	13,600	6,950	5,550	7,340
19.....	10,400	37,300	30,700	9,000	12,000	8,000	80,000 ^b	124,000	11,600	6,830	5,150	4,560
20.....	13,300	34,500	25,000 ^b	9,400	11,500	6,000	110,000	100,000	9,130	11,300	4,330	4,630
21.....	15,100	28,200	21,000	8,600	10,500	6,000	119,000	86,400	16,000	10,100	3,340	5,290
22.....	12,900	25,200	18,000	9,400	8,400	8,000	117,000	74,500	19,800	8,180	2,660	4,850
23.....	13,900	21,900	16,000	9,400	10,500	8,000	128,000	63,700	18,500	11,000	2,940	4,560
24.....	15,000	23,700	15,000	8,000	10,500	7,600	109,000	56,100	17,100	9,070	4,910	5,050
25.....	14,600	31,200	15,000	8,000	10,500	7,600	103,000	49,700	13,700	7,660	4,590	5,170
26.....	45,000	84,300	15,000	9,000	10,500	7,000	114,000	45,000	21,900	8,390	3,940	2,620
27.....	64,200	93,500	15,500	9,000	10,000	4,500	106,000	39,700	23,500	8,770	4,200	3,150
28.....	59,400	80,700	15,500	8,600	9,000	4,500	105,000	35,200	23,900	8,910	3,400	3,640
29.....	48,300	123,000	15,000	9,000	9,000	5,000	118,000	31,300	21,400	9,550	3,120	4,390
30.....	39,000	120,000	14,500	9,400	-	7,200	122,000	30,300	17,900	8,710	2,910	3,740
31.....	33,400	-	14,000	5,800	-	7,000	-	26,400	-	8,770	4,690	-
Mean	21,000	43,400	36,500	10,300	9,070	7,270	64,600	118,000	18,800	9,970	4,710	4,280
Per sq.mi.	1.40	2.89	2.43	0.69	0.60	0.48	4.31	7.85	1.25	0.66	0.31	0.29
Acre-feet in 1,000	1,290	2,580	2,241	633.5	521.8	447.1	3,843	7,236	1,116	613.1	289.9	254.4

The Year.....Discharge: Daily - Maximum 16 May, 187,000

- Minimum 7 September, 2,230

Mean 29,000; Per Square Mile 1.93

Runoff: Acre-feet 21,070,000; Depth in inches on drainage area 26.34

b - Ice conditions 20 December to 19 April.

SAINT JOHN RIVER AT FREDERICTON - STATION No. 1AK₃

47

Location: Lat. 45° 57' 54", long. 66° 38' 42", New Brunswick, auxiliary pumping station, City of Fredericton. Gauge: Recording. Period of Record: August 1960 to date. Remarks: Records excellent.

Daily Gauge Heights in Feet for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	-	-	-	-	-	-	-	-	-	-	-	3.18
2.....	-	-	-	-	-	-	-	-	-	-	-	2.95
3.....	-	-	-	-	-	-	-	-	-	-	-	2.99
4.....	-	-	-	-	-	-	-	-	-	-	-	3.28
5.....	-	-	-	-	-	-	-	-	-	-	3.87	3.25
6.....	-	-	-	-	-	-	-	-	-	-	3.95	3.26
7.....	-	-	-	-	-	-	-	-	-	-	4.06	3.34
8.....	-	-	-	-	-	-	-	-	-	-	4.15	3.33
9.....	-	-	-	-	-	-	-	-	-	-	3.80	3.47
10.....	-	-	-	-	-	-	-	-	-	-	3.92	3.47
11.....	-	-	-	-	-	-	-	-	-	-	4.04	3.31
12.....	-	-	-	-	-	-	-	-	-	-	4.00	-
13.....	-	-	-	-	-	-	-	-	-	-	3.93	-
14.....	-	-	-	-	-	-	-	-	-	-	3.78	3.07
15.....	-	-	-	-	-	-	-	-	-	-	3.53	3.03
16.....	-	-	-	-	-	-	-	-	-	-	3.13	2.72
17.....	-	-	-	-	-	-	-	-	-	-	3.06	2.93
18.....	-	-	-	-	-	-	-	-	-	-	3.04	3.12
19.....	-	-	-	-	-	-	-	-	-	-	3.07	2.92
20.....	-	-	-	-	-	-	-	-	-	-	3.06	2.89
21.....	-	-	-	-	-	-	-	-	-	-	3.06	3.00
22.....	-	-	-	-	-	-	-	-	-	-	3.00	3.15
23.....	-	-	-	-	-	-	-	-	-	-	2.96	3.21
24.....	-	-	-	-	-	-	-	-	-	-	2.89	3.17
25.....	-	-	-	-	-	-	-	-	-	-	3.01	3.21
26.....	-	-	-	-	-	-	-	-	-	-	3.10	3.16
27.....	-	-	-	-	-	-	-	-	-	-	3.10	3.01
28.....	-	-	-	-	-	-	-	-	-	-	3.05	3.01
29.....	-	-	-	-	-	-	-	-	-	-	3.19	3.01
30.....	-	-	-	-	-	-	-	-	-	-	3.01	-
31.....	-	-	-	-	-	-	-	-	-	-	3.00	-

SAINT JOHN RIVER AT OAK POINT - STATION No. 1AP₃

Location: Lat. 45° 31' 11", long. 66° 04' 44", New Brunswick, downstream face of wharf, Oak Point. Gauge: Staff, read daily. Period of Record: January 1923 to date. Extremes Recorded: Daily - Maximum, 8 May 1923, 16.7 feet, Minimum, 17 September 1929, -0.2 foot. Remarks: Further information for the Navigational gauge, maintained in co-operation with the Department of Public Works, is available upon application to District Engineer at Halifax, for address see page 11.

SHOGOMOC RIVER AT SHOGOMOC - STATION No. 1AK₁

Location: Lat. 45° 57' 18", long. 67° 19' 42", New Brunswick, approximately one hundred yards upstream from highway bridge on Route No. 2. Drainage Area: 91 square miles. Gauge: Staff, read daily. Measurement of Discharge: From cableway and by wading at low water. Period of Record: August 1918 to March 1941 and September 1943 to date. Average Discharge: (39 years) - 181 cfs. Extremes Recorded: Daily - Maximum, 30 April 1923, 4,130 cfs (revised) Minimum, 7 to 12 September 1960, 2.6 cfs. Revisions: Revised monthly and annual discharges for water years 1917-18 to 1923-24 are included in a summary in W.R.P. 63. Details of these revisions may be obtained upon application to the District Engineer at Halifax, for address see page 11. Drainage area, W.R.P. 130. Remarks: Records good except those under ice conditions which are fair.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	33.6	244	134	22.6	127	47.3	127	436	74	86	27.4	93
2.....	47.3	222	127	22.6	98	47.3	161	436	74	86	27.4	98
3.....	47.3	180	118	22.6	98	47.3	436	405	74	86	22.6	98
4.....	47.3	180	112	22.6	112	39.7	599	376	86	86	22.6	405
5.....	47.3	161	107	22.6	161	39.7	738	376	86	74	22.6	405
6.....	47.3	161	98	18.8	161	39.7	1,270	293	86	64	17.8	405
7.....	44.3	144	91	18.8	144	47.3	1,270	293	86	64	17.8	347
8.....	39.7	127	86	18.8	144	47.3	1,270	293	74	64	17.8	293
9.....	39.7	127	79	18.8	98	47.3b	1,270	244	74	55	17.8	200
10.....	39.7	127	74	18.8	74	47.3	1,110	200	64	55	17.8	144
11.....	52	121	68	18.8	74	47.3	954	200	64	55	17.8	127
12.....	52	121	64	18.8	74	47.3	881	180	55	86	17.8	112
13.....	44.3	112	64	18.8	64	74	809	180	55	98	17.8	86
14.....	39.7	112	55	18.8	64	64	668	161	65	112	14.1	74
15.....	39.7	112	55	18.8	64	64	668	161	86	98	14.1	64
16.....	39.7	112	47.3	39.7	60	64	634	161	86	86	14.1	55
17.....	52	112	47.3	347	60	64	634	161	86	74	14.1	47.3
18.....	55	112	47.3	809	59	64	599	144	98	64	33.6	47.3
19.....	74	144	39.7	436	59	64	599	127	161	55	47.3	47.3
20.....	74	180	39.7	347	55	55	668	112	222	55	33.5	39.7
21.....	74	180	39.7	293	55	74	703	112	244	55	47.3	39.7
22.....	74	180	33.5	244	55	74	668	127	222	47.3	47.3	39.7
23.....	74	161	33.5	222	55	74	668	112	200	47.3	39.7	39.7
24.....	112	161	33.5	200	55	86	668	98	161	39.7	33.5	47.3
25.....	112	161	33.5	180	50	127	668	98	144	39.7	33.5	55
26.....	112	161	27.4	161	50	127	668	98	144	39.7	33.5	64
27.....	127	180b	27.4	127	50	127	668	98	127	37.2	86	64
28.....	161	180	27.4	112	50	112	634	86	127	33.5	86	74
29.....	180	161	27.4	112	-	112	565	86	112	33.5	86	74
30.....	244	144	27.4	127	-	112	467	86	112	31.1	98	64
31.....	244	-	27.4	127	-	112	-	74	-	27.4	98	-
Mean	80	153	61	135	81	71	725	194	112	62	36.3	125
Per sq. mi.	0.88	1.68	0.67	1.48	0.89	0.78	7.96	2.13	1.23	0.69	0.40	1.37
Acre-feet	4,900	9,080	3,750	8,300	4,500	4,350	43,120	11,930	6,640	3,840	2,230	7,440

The Year.....Discharge: Daily - Maximum 6 to 9 April, 1,270

- Minimum 14 to 17 August, 14.1

Mean 152; Per Square Mile 1.67

Runoff: Acre-feet 110,100; Depth in inches on drainage area 22.68

b - Ice conditions 27 November to 9 March

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	64	405	<u>1,350</u>	268	98	<u>144</u>	<u>127</u>	<u>1,030</u>	112	<u>47.3</u>	<u>19.2</u>	5.3
2.....	55	405	954	293	86	127	161	1,030	98	39.7	19.2	5.3
3.....	55	376	809	<u>376</u>	86	112	181	954	98	39.7	19.2	3.7
4.....	55	376	668	268	<u>74</u>	98	293	809	98	47.3	15.7	3.7
5.....	55	293	599	222	74	86	467	738	98	39.7	15.7	3.7
6.....	<u>47.3</u>	293	532	222	74	74	809	738	<u>200</u>	39.7	15.7	3.7
7.....	<u>47.3</u>	293	467	222	74	74	809	703	161	39.7	15.7	<u>2.6</u>
8.....	74	293	738	209	74	<u>64</u>	809	633	144	34.0	15.7	2.6
9.....	74	293	633	209	74	65	809	499	127	34.0	15.7	2.6
10.....	86	244	565	200	74	64	773	436	112	34.0	15.7	2.6
11.....	86	244	467	200	74	68	668	376	86	34.0	12.3	2.6
12.....	86	200	405	192	74	74	599	467	74	39.7	12.3	2.6
13.....	127	200	668	192	161	74	599	467	74	34.0	9.6	<u>9.6</u>
14.....	127	<u>180</u>	881	180	244	81	599	668	64	39.7	9.6	9.6
15.....	112	244	668	180	436	84b	532	954	64	39.7	7.0	7.0
16.....	98	222	599	161	500	86	532	845	64	39.7	7.0	5.3
17.....	98	222	532	161	<u>599</u>	98	668	773	64	34.0	7.0	5.3
18.....	112	320	467	154	532	86	954	668	55	34.0	7.0	3.7
19.....	98	293	405	154	467	74	<u>1,110</u>	532	55	28.3	7.0	3.7
20.....	98	268	405	144	405	74	1,110	436	55	28.3	7.0	3.7
21.....	98	244	347	144	347	74	1,110	347	55	28.3	7.0	3.7
22.....	98	200	347	127	293	74	1,110	293	55	28.3	7.0	3.7
23.....	98	200	347b	127	268	74	954	268	55	28.3	7.0	3.7
24.....	98	200	320	127	222	74	881	180	55	28.3	7.0	3.7
25.....	347	599	304	121	200	74	881	127	55	23.7	<u>5.3</u>	3.7
26.....	1,030	1,350	293	121	161	74	881	161	47.3	<u>19.2</u>	5.3	3.7
27.....	<u>1,110</u>	1,270	293	112	144	74	881	144	47.3	19.2	5.3	3.7
28.....	1,030	1,350	283	112	144	74	954	144	55	19.2	5.3	3.7
29.....	739	<u>1,590</u>	268	107	144	74	954	127	47.3	19.2	5.3	3.7
30.....	565	1,590	269	107	-	74	1,030	127	<u>39.7</u>	19.2	5.3	3.7
31.....	405	-	<u>268</u>	<u>98</u>	-	74	-	<u>112</u>	-	19.2	5.3	-
Mean	235	475	521	178	214	79	741	509	80	32.2	10.3	4.2
Per sq.mi.	2.58	5.22	5.73	1.95	2.35	0.87	8.15	5.60	0.88	0.35	0.11	0.05
Acre-feet	14,420	28,280	32,030	10,930	12,300	4,850	44,120	31,310	4,790	1,980	632	250

The Year.....Discharge: Daily - Maximum 29 and 30 November, 1,590
 - Minimum 7 to 12 September, 2.6
 Mean 256; Per Square Mile 2.81
 Runoff: Acre-feet 185,900; Depth in inches on drainage area 38.30

b - Ice conditions 23 December to 15 March.

Location: Lat. 47° 39' 36", long. 65° 41' 30", New Brunswick, approximately one-half mile upstream from Canadian National Railways bridge. Drainage Area: 140 square miles. Gauge: Chain, read daily. Measurement of Discharge: From cableway; by wading at low water. Period of Record: May 1922 to June 1933 and October 1951 to date. Average Discharge: (18 years) - 275 cfs. Extremes Recorded: Daily - Maximum, 19 June 1933, 5,380 cfs, Minimum, 4 to 6 January 1931, 14.8 cfs (revised). Revisions: Drainage area, W.R.P. 112; 1951-52, W.R.P. 116. Remarks: Records good except those under ice conditions which are fair. Runoff data for this station were published previously under Station No. 1BJ₂.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	77	123	194	69	43.0	33.0	75	957	169	112	35.0	43.0
2.....	77	123	181	67	42.0	33.0	84	988	181	112	35.0	48.5
3.....	77	102	169	64	41.0	33.0	93	1,020	169	123	35.0	54
4.....	77	93	157	63	41.0	33.0	102	1,160	169	112	35.0	67
5.....	77	93	181	62	40.0	33.0	145	1,230	157	112	35.0	67
6.....	95	93	169	60	39.0	32.0	194	1,390	157	102	35.0	67
7.....	77	84	164	58	38.0	32.0	253	1,390	145	102	35.0	54
8.....	77	67	155	57	37.0	32.0	350	1,310	134	102	31.5	48.5
9.....	77	67	145	55	37.0	32.0	417	1,230	134	93	31.5	48.5
10.....	77	93	141	54	36.0	32.0	454	895	145	93	31.5	43.0
11.....	77	123	136	54	35.0	34.0	537	865	157	84	35.0	39.0
12.....	114	102	134	54	34.0	34.0	582	780	157	84	48.5	39.0
13.....	125	102	130	54	35.0	35.0	678	727	145	84	75	39.0
14.....	104	102	125	54	35.0	35.0	780	678	145	67	67	39.0
15.....	95	93	123	54	35.0	39.0	895	678	157	67	67	39.0
16.....	114	93	119	60	34.0	46.0	957	629	169	75	67	35.0
17.....	84	112	115	67	34.0	48.0	1,090	537	157	54	102	35.0
18.....	75	134	110	67	34.0	54	1,230	494	145	48.5	123	35.0
19.....	75	157	106	67	34.0	54	1,310	454	157	48.5	112	35.0
20.....	75	223	102	104	34.0	54	1,390b	435	181	48.5	84	35.0
21.....	67	194	98	93	34.0	60	1,390	417	194	48.5	54	35.0
22.....	67	181	95	84	34.0	60	895	383	194	48.5	48.5	39.0
23.....	67	181	91	75	33.0	60	1,090	350	181	43.0	48.5	39.0
24.....	67	194	88	67	33.0	67	895	316	169	43.0	48.5	37.4
25.....	54	253b	84	60	33.0	67	1,160	284	145	43.0	43.0	35.0
26.....	54	238	81	58	33.0	67	1,230	284	134	43.0	43.0	34.3
27.....	54	238	79	54	33.0	67	1,310	253	134	43.0	43.0	33.6
28.....	84	223	77	52	33.0	67	1,160	253	123	39.0	48.5	32.9
29.....	123	223	75	50	-	67	1,020	223	123	39.0	43.0	32.9
30.....	145	208	74	47.0	-	67	895	194	112	39.0	43.0	32.2
31.....	134	-	72	45.0	-	67	-	169	-	35.0	39.0	-
Mean	85	144	122	62	35.9	47.5	755	677	155	71	52	42.1
Per sq. mi.	0.61	1.03	0.87	0.44	0.26	0.34	5.40	4.83	1.10	0.50	0.37	0.30
Acre-feet	5,240	8,550	7,480	3,830	1,990	2,920	44,950	41,600	9,200	4,340	3,220	2,500

The Year.....Discharge: Daily - Maximum 20 and 21 April and 6 and 7 May, 1,390
 - Minimum 8 to 10 August, 31.5
 Mean 188; Per Square Mile 1.34
 Runoff: Acre-feet 135,800; Depth in inches on drainage area 18.19

b - Ice conditions 25 November to 20 April.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	32.4	114	1,420	417	60	75	58	2,090	347	140	39.3	21.4
2.....	36.0	103	1,390b	454	60	75	86	2,250	347	118	38.2	21.4
3.....	52	103	1,310b	417	60	67	124	2,010	366	118	37.1	21.4
4.....	53	95	1,310b	400	54	67	136	2,090	366	118	36.0	20.6
5.....	47.0	103	1,310b	383	54	67	147	2,420	328	107	34.2	20.6
6.....	47.0	124	1,350	350	48.5	75	200	2,870	366	107	32.4	19.8
7.....	41.5	136	1,210	333	48.5	84	230	3,450	405	107	28.8	19.8
8.....	36.0	135	1,210	300	48.5	93	262	3,250	362	98	27.9	19.0
9.....	36.0	136	1,210	284	48.5	93	280	2,960	325	89	30.6	19.0
10.....	36.0	124	1,160b	253	48.5	93	315	2,870	290	89	29.7	19.0
11.....	36.0	124	1,160	238	54	93	315	2,420	272	89	27.9	19.0
12.....	53	124	1,050	208	60	102	297	3,550	256	89	27.0	19.0
13.....	72	124	988	194	67	102	280	2,690	256	89	25.4	47.0
14.....	58	135	926	181	75	84	262	2,870	224	82	24.6	72
15.....	52	136	895	157	84	67	262	2,870	209	82	23.8	41.5
16.....	47.0	136	895	145	102	54	246	2,690	194	82	22.2	36.0
17.....	47.0	186	865	169	145	43.0	280	2,090	167	75	21.4	27.9
18.....	47.0	297	835	145	194	43.0	370	1,700	154	73	20.6	27.0
19.....	47.0	297b	807	134	181	39.0	488	1,340	155	66	20.6	27.0
20.....	47.0	280	753	123	145	39.0	685	1,070	154	59	19.8	23.8
21.....	52	262	702	112	134	39.0	795	954	167	73	20.6	23.8
22.....	53	332	678	102	112	39.0	905	844	154	73	21.4	23.8
23.....	52	488	653	93	93	43.0	960	817	155	73	22.2	23.0
24.....	53	685b	605	84	84	41.2	1,120	734	142	73	23.0	23.0
25.....	86	740	559	84	84	41.2	1,140b	625	155	66	23.0	23.0
26.....	200	685	537	75	93	41.2	1,210	524	256	66	23.0	23.0
27.....	297	630	515	67	84	41.2	1,350	444	362	66	23.0	22.2
28.....	262	603	494	67	75	41.2	1,490	405	286	59	23.0	22.2
29.....	200	658	454	60	75	43.0	1,930	366	221	54	22.2	20.6
30.....	147	685	417	60	-	43.0	2,010	328	164	51	22.2	19.0
31.....	124	-	383	60	-	43.0	-	329	-	39.3	21.4	-
Mean	79	293	905	198	85	62	604	1,800	254	83	26.2	25.5
Per sq. mi.	0.56	2.09	6.46	1.42	0.61	0.44	4.32	12.88	1.81	0.59	0.19	0.18
Acre-feet	4,860	17,420	55,640	12,200	4,900	3,790	35,970	110,900	15,080	5,100	1,610	1,520

The Year..... Discharge: Daily - Maximum 12 May, 3,550
 - Minimum 8 to 12 September, 19.0
 Mean 371; Per Square Mile 2.65
 Runoff: Acre-feet 269,000; Depth in inches on drainage area 36.03

b - Ice conditions 19 to 24 November, 10 December to 25 April and as indicated.

TOBIQUE RIVER AT RILEY BROOK - STATION No. 1AH₂

Location: Lat. 47° 10' 24", long. 67° 12' 36", New Brunswick, at highway bridge, Riley Brook. Drainage Area: 860 square miles. Gauge: Chain, read twice daily. Measurement of Discharge: From bridge. Period of Record: Open water, June 1954 to date. Remarks: Daily discharges and correction for storage in Sisson, Trousers, Long and Serpentine Reservoirs available upon application to District Engineer at Halifax, for address see page 11.

TOBIQUE RIVER AT PLASTER ROCK - STATION No. 1AH₃

Location: Lat. 46° 54' 18", long. 67° 23' 42", New Brunswick, at highway bridge, Plaster Rock. Drainage Area: 1,210 square miles. Gauge: Chain, read twice daily. Measurement of Discharge: From bridge. Period of Record: Open water June 1954 to date. Remarks: Daily discharges and correction for storage in Sisson, Trousers, Long and Serpentine Reservoirs available upon application to the District Engineer at Halifax, for address see page 11.

TOBIQUE RIVER AT NARROWS - STATION No. 1AH₄

Location: Lat. 46° 47' 30", long. 67° 41' 00", New Brunswick, at power house of the New Brunswick Electric Power Commission. Drainage Area: 1,670 square miles. Measurement of Discharge: Switchboard readings. Period of Record: October 1953 to date. Average Discharge: (7 years) - 2,960 cfs. Remarks: The data are supplied by the New Brunswick Electric Power Commission.

Monthly Summary of Storage, Outflow and Runoff for Water Years 1958-59 and 1959-60

Month	Storage Level at End of Monthly Period*	Volume of Live Storage*	Storage Change* + or -		Effect of Change in Upstream Storage**	Recorded Outflow	Monthly Runoff		
			Acre-feet	Equiv- alent in cfs			Mean cfs	Per Square Mile cfs	Depth in Inches
1958-59									
(Sept.)	158.50	89,970	-	-	-	-	-	-	-
October.....	149.90	60,980	-28,990	-471	- 62	1,950	1,420	0.85	0.98
November.....	150.20	61,830	+ 850	+ 14	-337	1,680	1,350	0.81	0.90
December.....	146.20	51,730	-10,100	-164	-330	1,400	911	0.55	0.63
January.....	136.80	29,590	-22,140	-360	-191	1,170	617	0.37	0.43
February.....	125.59	13,300	-16,290	-293	-170	935	472	0.28	0.29
March.....	-	nil	-13,300	-216	- 61	752	475	0.28	0.33
April	135.50	27,060	+27,060	+455	+240	6,210	6,910	4.13	4.61
May.....	152.10	67,580	+40,520	+659	+545	6,530	7,740	4.63	5.34
June.....	155.50	78,590	+11,010	+185	+190	1,940	2,310	1.39	1.55
July.....	154.10	73,890	- 4,700	- 76	- 16	769	677	0.41	0.47
August.....	154.10	73,890	0	0	+ 34	981	1,020	0.61	0.70
September.....	152.00	67,280	- 6,610	-111	- 34	1,550	1,400	0.84	0.94
The Year.....	-	-	-	-	-	-	2,110	1.26	17.17
1959-60									
(Sept.)	152.00	67,300	-	-	-	-	-	-	-
October.....	151.70	66,370	- 933	- 15	+ 93	1,950	2,030	1.21	1.40
November.....	159.40	94,000	+27,630	+464	+445	5,630	6,540	3.91	4.37
December.....	159.20	93,000	- 1,000	- 16	- 62	4,270	4,190	2.51	2.89
January.....	146.70	53,020	-39,980	-650	-526	2,330	1,150	0.69	0.80
February.....	133.85	24,350	-28,670	-498	-763	2,210	952	0.57	0.61
March.....	111.30	1,880	-22,470	-365	-115	1,230	754	0.45	0.52
April	141.40	40,060	+38,180	+642	+452	7,080	8,170	4.90	5.46
May.....	159.90	96,500	+56,440	+918	+929	12,500	14,300	8.56	9.87
June.....	159.80	96,000	- 500	- 8	+ 92	2,340	2,430	1.45	1.62
July.....	157.00	84,400	-11,600	-189	-254	1,640	1,200	0.72	0.83
August.....	152.30	68,200	-16,200	-264	-318	1,020	435	0.26	0.30
September.....	146.60	52,700	-15,500	-260	-239	748	249	0.15	0.17
The Year.....	-	-	-	-	-	-	3,540	2.12	28.84

* - Sisson Reservoir.

** - Storage in Lakes Trousers, Long and Serpentine.

Location: Lat. 47° 49' 54", long. 66° 52' 54", New Brunswick, at railway bridge, Upsalquitch. Drainage Area: 877 square miles. Gauge: Chain, read daily. Measurement of Discharge: From bridge. Period of Record: September 1918 to June 1933 and August 1943 to date. Average Discharge: (30 years) - 1,440 cfs. Extremes Recorded: Daily - Maximum, 25 April 1958, 23,800 cfs, Minimum, 13 February 1948, 79 cfs. Revisions: Revised monthly and annual discharges for water years 1917-18 to 1921-22 are included in a summary in W.R.P. 45. Details of these revisions may be obtained upon application to the District Engineer at Halifax, for address see page 11. Drainage area, W.R.P. 130. Remarks: Records good except those under ice conditions which are fair.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	791	594	422	369	325	325	325	6,090	1,280	612	312	354
2.....	770	705	422	369	325	325	325	6,190	1,410	612	376	376
3.....	737	582	422	369	325	325	347	6,350	1,230	770	332	447
4.....	642	582	422	369	325	325	378	7,460	1,140	642	292	805
5.....	705	554	422	369	325	325	438	7,460	1,060	582	274	737
6.....	705	612	422	347	305	325	488	7,790	986	526	254	612
7.....	705	582	422	347	305	347	539	7,570	986	499	235	499
8.....	705	582	413	347	305	347	593	7,240	986	499	198	472
9.....	673	582	413	347	305	347	703	6,800	986	447	254	422
10.....	526	582	413	347	305	347	823	5,790	1,100	447	274	399
11.....	805	554	413	325	305	305	943	5,210	1,020	422	274	399
12.....	1,410	554	413	325	305	266	1,090	5,300	948	399	376	399
13.....	1,230	554	413	325	321	266	1,340	5,110	875	472	554	399
14.....	1,180	472	413	325	321	266	1,650b	4,650	1,020	499	399	376
15.....	1,140	582	413	325	321	259	1,960	4,380	1,020	399	354	354
16.....	986	612	399	325	313	259	1,840	3,880	948	399	332	354
17.....	986	554	399	369	313	259	2,020	3,560	875	354	582	332
18.....	1,050	554	399	401	313	259	2,080	3,100	840	354	805	312
19.....	986	582	399	414	313	277	2,440	2,750	805	354	875	292
20.....	911	911	399	391	313	285	3,180	2,560	805	376	582	292
21.....	948	840	399	369	305	305	3,330	2,380	805	376	447	274
22.....	971	840	399	369	305	305	3,250	2,320	737	354	422	354
23.....	911	705	399	347	305	305	3,250	2,320	705	332	376	376
24.....	805	770	376	347	305	305	4,560	1,960	673	312	332	399
25.....	840	642b	376	347	305	305	6,290	1,840	582	332	324	399
26.....	840	582	376	325	305	325	7,020	1,720	582	332	354	354
27.....	770	526b	376	325	305	325	7,020	1,610	705	312	399	354
28.....	770	472b	376	325	305	325	6,490	1,510	612	312	422	354
29.....	770	447	369	325	-	325	5,990	1,320	612	312	376	332
30.....	770	422b	369	325	-	325	5,690e	1,360	642	292	376	354
31.....	875	-	369	325	-	325	-	1,320e	-	292	354	-
Mean	868	604	401	349	312	307	2,550	4,160	899	427	391	406
Per sq. mi.	0.99	0.69	0.46	0.40	0.36	0.35	2.90	4.74	1.03	0.49	0.45	0.46
Acree-feet	53,380	35,960	24,670	21,490	17,310	18,870	151,500	255,700	53,500	26,230	24,030	24,160

The Year.....Discharge: Daily - Maximum 6 May, 7,790

- Minimum 8 August, 198

Mean 976; Per Square Mile 1.11

Runoff: Acree-feet 706,800; Depth in inches on drainage area 15.11

b - Ice conditions 30 November to 14 April and as indicated.

e - Estimated.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	354	1,390	<u>4,350</u>	487	414	<u>414</u>	<u>292</u>	10,900	<u>1,680</u>	<u>757</u>	<u>332</u>	217
2.....	<u>422</u>	1,300	3,770	487	414	414	312	11,900	1,620	692	312	198
3.....	472	1,210	3,530	1,090	391	414	320	9,420	1,520	661	304	180
4.....	447	<u>1,120</u>	3,070	<u>2,240</u>	391	414	332	10,200	1,420	692	292	173
5.....	376	1,170	2,920	2,110	391	414	422	11,700	1,330	661	274	173
6.....	354	1,390	2,660	1,910	391	369	642	<u>14,200</u>	1,420	680	274	173
7.....	<u>332</u>	1,490	2,730	1,730	391	369	705	<u>16,500</u>	1,370	630	265	173
8.....	332	1,490	2,790	1,610	<u>369</u>	369	770	<u>14,100</u>	1,150	543	<u>254</u>	<u>155</u>
9.....	332	1,540	2,600	1,440	369	369	770	12,500	1,110	532	247	162
10.....	354	1,440	<u>2,420</u>	1,280	369	369	770	11,300	1,070	515	254	173
11.....	332	1,350	2,060	1,180	369	325	840	9,780	993	504	235	191
12.....	399	1,390	2,000	1,090	414	325	1,060	12,100	918	571	228	180
13.....	499	1,490	2,180	1,000	414	325	1,230	8,940	883	543	224	213
14.....	<u>422</u>	1,390	2,060	928	414	325	1,320	9,060	847	504	217	<u>288</u>
15.....	399	1,760	2,000	856	462	325	1,370	11,600	812	462	210	232
16.....	399	1,820	1,880	790	488	305	1,410	11,500	819	442	206	232
17.....	399	1,760	1,760	731	<u>513</u>	305	1,720b	8,820	819	432	198	176
18.....	399	1,880	1,640	675	487	305	3,120	6,910	784	408	191	187
19.....	376	1,540	1,590	647	462	305	5,810	5,690	750	394	187	187
20.....	376	1,490	1,350	620	462	305	5,220	4,740	686	432	187	176
21.....	354	1,350	1,300	565	462	289	4,490	4,040	819	521	217	180
22.....	332	1,490	861	539	438	289	4,400	3,560	718	442	247	180
23.....	332	1,490	757	539	438	289	4,230	3,020	<u>655</u>	432	243	173
24.....	376	1,490	692	508	438	289	5,130	2,820	718	442	243	180
25.....	582	2,480	661	487	438	289	6,010	2,440	819	467	235	180
26.....	1,900	5,850	630	462	438	<u>285</u>	5,910	2,380	1,250	417	210	173
27.....	<u>2,020</u>	4,610	600	462	438	285	6,620	2,080	926	372	198	180
28.....	1,660	4,180	543	438	414	285	6,930	1,900	819	350	<u>180</u>	173
29.....	1,510	<u>7,530</u>	532b	438	414	285	8,270	1,720	784	341	180	173
30.....	1,360	6,050	521	<u>414</u>	-	285	<u>9,080</u>	<u>1,670</u>	686	<u>328</u>	206	180
31.....	1,320	-	<u>513</u>	414	-	285	-	1,780	-	328	235	-
Mean	630	2,200	1,840	909	424	330	2,980	7,720	1,010	500	235	187
Per sq.mi.	0.72	2.51	2.10	1.04	0.48	0.38	3.40	8.80	1.15	0.57	0.27	0.21
Acre-feet	38,720	130,700	113,000	55,870	24,380	20,270	177,500	474,600	59,890	30,730	14,450	11,130

The Year.....Discharge: Daily - Maximum 7 May, 16,500

- Minimum 8 September, 155

Mean 1,590; Per Square Mile 1.81

Runoff: Acre-feet 1,151,000; Depth in inches on drainage area 24.62

b - Ice conditions 29 December to 17 April.

Location: Lat. 46° 39' 04", long. 60° 39' 47", Nova Scotia, two and one-half miles below Cheticamp Lake. Drainage Area: 19.0 square miles. Gauge: Recording. Measurement of Discharge: From cableway and by wading at low water. Period of Record: October 1958 to date. Extremes Recorded: Daily - Maximum, 14 December 1959, 794 cfs, Minimum, 31 July 1959, 4.7 cfs; Instantaneous Maximum - 5 a.m., 14 December 1959, 1,090 cfs. Remarks: Records excellent under open-water conditions; fair during periods of ice effect and estimated flows.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....		140							123	16.3	5.3	54
2.....		117							95	16.3	8.3	110
3.....		84							189	92	6.1	67
4.....		82							283	68	5.3	41.5
5.....		88							138	34.2	5.8	37.4
6.....		98							90	19.3	92	27.3
7.....		302							68	24.5	70	18.1
8.....		569							75	54	43.2	13.8
9.....	65e	212							70	28.1	164	10.9
10.....		253							74	18.7	136	9.4
11.....		553							114	14.8	92	8.6
12.....		229							76	18.7	79	72
13.....		130							47.4	21.7	57	53
14.....		98							37.4	19.9	35.8	46.5
15.....		98							172	16.3	21.1	162
16.....	77	201	56e	28e	35e	31e	100e	226e	366	11.8	15.3	180
17.....	155	118							136	10.2	13.3	99
18.....	231	83							104	9.0	24.5	73
19.....	206	117							73	7.5	89	71
20.....	135	361							175	7.2	56	55
21.....	93	180							155	6.9	33.4	33.4
22.....	68	130							99	6.7	21.7	26.6
23.....	56	93							73	6.1	37.4	26.6
24.....	46.5	78							57	5.8	41.5	52
25.....	35.8	60							36.6	5.8	21.7	77
26.....	30.3	78						135	25.9	6.9	19.3	48.2
27.....	27.3	177						201	19.9	6.4	17.5	27.3
28.....	49.9	225						191	16.9	5.5	16.3	20.5
29.....	81	334			-			155	14.3	5.3	43.2	16.9
30.....	126	467			-			117	16.3	5.3	87	15.3
31.....	228	-			-		-	212	-	4.7	44.0	-
Mean	85e	192	56e	28e	35.0e	31.0e	100e	215e	101	18.5	45.2	52
Per sq. mi.	4.45	10.10	2.95	1.47	1.84	1.63	5.26	11.32	5.30	0.97	2.38	2.73
Acre-feet	5,200	11,410	3,440	1,720	1,940	1,910	5,950	13,220	5,990	1,140	2,780	3,080

The Year.....Discharge: Instantaneous Maximum 4 a.m., 8 November, 951

Mean 80; Per Square Mile 4.20

Runoff: Acre-feet 57,790; Depth in inches on drainage area 57.03

e - Estimated.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	<u>18.3</u>	115	208	33.4	20.8	30.0	273	161	<u>93</u>	15.3	11.9	16.0
2.....	29.5	181	111	30.0	20.0	28.0	186	154	74	14.5	10.9	17.1
3.....	31.1	111	76	60b	19.2	26.5	131	164	62	14.2	10.6	16.3
4.....	23.7	77	60	<u>463</u>	18.3	25.0	112	235b	49.7	13.5	10.6	15.6
5.....	22.1	113	49.7	347b	17.5	24.2	337	316	41.4	13.5	10.0	17.5
6.....	20.8	133	42.7	162	<u>16.7</u>	22.9	663	449	51	12.8	10.6	17.9
7.....	23.7	81	77	82	60	20.8	387	622	49.7	12.5	11.5	15.6
8.....	53	113	337	56	82	19.6	284	589	31.1	12.2	10.6	14.2
9.....	68	121	213	54	73	18.7	211	657	26.5	<u>11.9</u>	14.9	<u>13.5</u>
10.....	44.8	89	97	52	64	17.5	153	<u>739</u>	24.2	20.4	14.9	14.2
11.....	37.0	60	58b	50	56	16.7	125	583	22.1	20.0	12.5	24.2
12.....	33.4	45.5	44.8b	49.0	52	15.6	107	449	34.6	<u>30.6</u>	12.2	18.3
13.....	52	40.7	247	46.9	45.5	14.9	83	405	68	20.8	11.5	17.5
14.....	58	<u>35.1</u>	<u>794</u>	45.5	56	13.8	70	356	37.0	29.5	10.9	<u>195</u>
15.....	49.7	55	267	43.4	<u>143</u>	13.1	64	387	32.8	29.0	10.6	165
16.....	34.0	103	135	42.0	113	12.8	58	305	23.7	18.3	10.6	60
17.....	28.5	287	113b	40.1	92	11.9	<u>55</u>	210	26.5	15.3	10.3	33.4
18.....	78	205	102	38.8	77	11.2	153	183	22.9	14.2	<u>10.0</u>	25.0
19.....	109	143	96	37.0	69	10.9	<u>679</u>	186	36.3	14.2	10.0	27.5
20.....	64	87	89	35.7	62	10.6	466	198	30.0	15.6	10.0	23.7
21.....	61	60	83	34.0	56	10.0	286	158	21.6	17.5	192	87
22.....	52	49.7	77	32.8	52	9.7	211	137	25.0	19.6	142	86
23.....	48.3	45.5	71	31.7	49.0	9.5	153	118	21.6	19.2	171	43.4
24.....	82	44.8	65	30.0	45.5	9.2	107	109	24.6	26.0	<u>206</u>	29.0
25.....	180	569	60	29.0	42.0	8.9	79	103	41.4	23.7	152	23.7
26.....	102	660	55	28.0	39.5	8.9	67	101	55	20.4	119	20.4
27.....	211	223	51	27.0	37.0	8.7	75	96	30.6	16.0	59	18.7
28.....	<u>249</u>	369	47.6	25.0	35.7	8.6	92	84	21.2	13.8	31.7	17.9
29.....	211	<u>669</u>	44.1	24.2	34.6	<u>8.4</u>	119	74	17.5	12.5	23.3	17.1
30.....	105	554	40.1	22.9	-	8.4	153	<u>69</u>	<u>15.6</u>	12.5	19.6	17.5
31.....	63	-	<u>37.0</u>	<u>22.1</u>	-	<u>47.6</u>	-	79	-	12.2	17.5	-
Mean	72	181	124	67	53	16.2	198	273	37.0	17.5	43.8	36.9
Per sq.mi.	3.81	9.54	6.53	3.52	2.81	0.85	10.42	14.39	1.95	0.92	2.31	1.94
Acre-feet	4,450	10,790	7,630	4,110	3,070	997	11,780	16,810	2,200	1,070	2,690	2,200

The Year.....Discharge: Daily - Maximum 14 December, 794
 - Minimum 29 and 30 March, 8.4
 Instantaneous Maximum 5 a.m., 14 December 1,090
 Mean 93; Per Square Mile 4.92
 Runoff: Acre-feet 67,810; Depth in inches on drainage area 66.92

b - Ice conditions 17 December to 3 January, 5 January to 4 May and as indicated.

Location: Lat. 46° 38' 28", long. 60° 56' 49", Nova Scotia, in Cape Breton Highlands National Park. Drainage Area: 92 square miles. Gauge: Recording. Measurement of Discharge: From cableway. Period of Record: October 1958 to date. Extremes Recorded: Daily - Maximum, 20 November 1958, 3,520 cfs, Minimum, 20 August 1960, 36.4 cfs; Instantaneous Maximum - 10 p.m., 13 December 1959, 5,910 cfs. Remarks: Records good except those under ice conditions which are fair.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	}	1,100e	482	122	191	73	106b	835	568	132	62	253
2.....			399	116	175	146	216	826	517	124	69	637
3.....			264	114	169	264	341	644	1,270	431	67	293
4.....			375x	111	166	215	1,250	710	1,420	319	60	182
5.....			511	106	328	185	2,420	794	659	194	59	188
6.....	}	280e	470	102	264	166	1,880	568	442	138	119	152
7.....			410	97	226	152	1,920	710	341	146	154	111
8.....			319	95	201	140	1,460	974	355	253	111	91
9.....			298b	91	185	132	875	1,010	341	169	212	80
10.....			285	84	175	124	630	717	332	129	222	71
11.....	}	1,060x	272	80	160	119	494	928	524	114	160	69
12.....			256	78	146	114	355	1,390	365	127	146	341
13.....			561	245	74	135	143	2,72	2,040	256	169	122
14.....			410	237	71	124	198	226	1,710	223	149	99
15.....			355	226	69	114	166	208	1,460	673	129	80
16.....	}	450e	399	212	65	106	129	195	1,230	1,380	104	73
17.....			374	205	285	104	104	185	1,100	725	93	69
18.....			341	198	574	182	84	223	1,020	404	86	88
19.....			482	191	285	166	82	272	964	306	80	253
20.....			3,520	185	175	152	78	355	1,120	505	88	157
21.....	}	450e	1,070	182	116	132	76	530	1,040	470	84	104
22.....			542	179	95	119	111	346	964	328	82	84
23.....			410	172	442	106	166	306	1,180	281	76	106
24.....			285	166	264	99	140	505	794	245	69	135
25.....			277	160	160	91	127	394	574	188	65	91
26.....	}	450e	237	152	95	84	114	616	581	157	86	91
27.....			1,880	146	84	80	106	1,460	818	143	75	84
28.....			1,270	140	74	76	102	1,090	771	132	82	80
29.....			794	138	65	-	97	818	609	124	71	237
30.....			637	132	132	-	97	756	505	135	71	341
31.....			-	127	209	-	106	-	1,110	-	63	176
31.....			-	127	209	-	106	-	1,110	-	63	176
Mean	368e	900e	249	146	152	131	690	958	460	129	126	244
Per sq. mi.	4.00	9.78	2.71	1.59	1.65	1.42	7.50	10.41	5.00	1.40	1.37	2.66
Acre-feet	22,610	53,560	15,340	8,990	8,440	8,040	41,070	58,900	27,390	7,930	7,760	14,540

The Year.....Discharge: Daily - Maximum 20 November, 3,520
 - Minimum 5 August, 59
 Instantaneous Maximum 9 a.m., 20 November, 3,520
 Mean 379; Per Square Mile 4.12
 Runoff: Acre-feet 274,600; Depth in inches on drainage area 55.96

b - Ice conditions 9 December to 1 April.
 x - Manual gauge used 12 November to 4 December.

e - Estimated.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	97	522	900	165b	99	121	1,520	952	292	74	44.7	76
2.....	153	805	529	156b	94	119	920	696	253	72	41.9	96
3.....	165	502	399	217b	92	116	563	815	221	68	41.9	83
4.....	124	361	335	1,400	90	113	549	891	188	66	43.3	75
5.....	113	495	283	617	87	111	1,830	1,260	172	64	41.9	76
6.....	101	563	257	325	85	108	2,990	1,960	217	61	44.7	79
7.....	101	393	422	236b	135	103	1,720	2,390	206	59	50	68
8.....	165	563	1,750	217	433	103	1,100	2,280	141	56	47.4	64
9.....	228	502	900	198	350	101	779	2,610	124	52	101	63
10.....	165	376	489	195	257	99	586	2,650	113	76	83	92
11.....	141	283	335	188	198	97	452	2,080	103	81	61	217
12.....	122	228	283	185	165	96	366	1,630	141	119	56	119
13.....	175	206	1,880	178	150	94	301	1,530	253	92	48.8	97
14.....	213	185	2,710	175	182	92	257	1,420	185	79	44.7	980
15.....	213	325	920	168	853	92	225	1,520	172	119	41.9	625
16.....	150	549	672	165	950	90	206	1,260	124	77	41.9	265
17.....	127	1,290	648	159	495	87	195	824	121	62	40.5	165
18.....	515	754	410	156	287	85	1,120	696	106	59	39.1	127
19.....	563	522	316	150	135	85	3,100	664	144	57	37.8	188
20.....	320	361	265	147	198	90b	1,730	680	135	59	36.4	147
21.....	361	287	236	141	181	97	1,120	563	106	64	1,630	393
22.....	292	240	232	138	168	96	745	495	121	66	680	361
23.....	236	209	228	132	156	92	536	433	108	68	632	206
24.....	371	228	228b	130	150	85	404	399	127	127	805	144
25.....	814	3,010	221	124	141	85	306	382	162	101	930	119
26.....	445	1,910	213	121	135	87	274	371	221	81	502	103
27.....	990	746	209	116	132	99	257	350	138	64	249	94
28.....	1,280	1,690	209b	113	127	94	356	311	99	50	162	92
29.....	950	3,390	206	108	121	94	529	274	85	47.4	119	87
30.....	476	2,030	185	106	-	92	815	249	77	46.0	96	94
31.....	311	-	168	101	-	188	-	244	-	44.7	87	-
Mean	338	784	550	217	229	100	862	1,060	155	71	222	180
Per sq. mi.	3.67	8.52	5.97	2.36	2.49	1.09	9.37	11.49	1.69	0.78	2.41	1.96
Acre-feet	20,780	46,660	33,790	13,340	13,180	6,170	51,270	65,020	9,230	4,390	13,650	10,700

The Year.....Discharge: Daily - Maximum 29 November, 3,390

- Minimum 20 August, 36.4

Instantaneous Maximum 10 p.m., 13 December, 5,910

Mean 397; Per Square Mile 4.32

Runoff: Acre-feet 288,200; Depth in inches on drainage area 58.73

b - Ice conditions 24 to 28 December, 7 January to 20 March and as indicated.

CLAM HARBOUR RIVER NEAR BIRCHTOWN - STATION No. 1ER₁

Location: Lat. 45° 28' 06", long. 61° 27' 36", Nova Scotia, below Hart's Mill. Drainage Area: 17.4 square miles (16.8 to 30 November 1958). Gauge: Recording. Measurement of Discharge: By wading and from bridge at extreme high water. Period of Record: December 1957 to date. Extremes Recorded: Daily - Maximum, 5 April 1959, 1,080 cfs, Minimum, 13 September 1960, 0.8 cfs; Instantaneous Maximum - 4.45 a.m., 5 April 1959, 1,730 cfs. Revisions: Drainage area, W.R.P. 130. Remarks: Station relocated below Hart's Mill effective 1 December 1958 to utilize more favourable discharge conditions. Records available upon application to District Engineer at Halifax, for address see page 11.

Location: Lat. 44° 41' 06", long. 63° 52' 18", Nova Scotia, about seventeen miles from Halifax, where Nova Scotia Power Commission transmission lines cross the East River. Drainage Area: 10.4 square miles. Gauge: Staff, read daily. Measurement of Discharge: From bridge and by wading at low water. Period of Record: October 1925 to date. Average Discharge: (35 years) - 26.7 cfs. Extremes Recorded: Daily - Maximum, 10 January 1956, 1,440 cfs, Minimum, 11, 12 and 20 September 1960, 0.1 cfs. Revisions: Revised monthly and annual discharges for water years 1925-26 to 1929-30 are included in W.R.P. 83. Details of these revisions may be obtained upon application to the District Engineer at Halifax, for address see page 11. Drainage area, W.R.P. 63 and 130. Remarks: Records good except those under ice conditions which are fair.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	89	8.4	91	7.4	23.8b	10.5	23.8	33.0	8.2	17.4	5.8	9.9
2.....	79	8.0	70	7.0	21.4b	20.6	26.3	30.5	9.5	14.9	5.2	11.5
3.....	69	7.8	56	8.0	19.4	33.7	35.8	26.9	26.3	14.9	4.4	10.9
4.....	55	8.4	43.4	7.8	17.0	34.4	180	26.3	67	12.6	3.5	13.4
5.....	43.4	8.4	63	7.6b	21.4	32.3	257	24.8	66	10.5	3.5	17.4
6.....	34.4	8.4	94	7.2	22.3	26.3	192	21.8	51	9.5	3.1	17.8
7.....	28.7	10.5	102	7.2	21.4	41.0	225	19.4	36.5	16.4	3.0	15.8
8.....	22.8	18.2	80	6.8	19.4	53	161	17.8	30.5	27.5	3.6	13.4
9.....	19.8	21.4	62	6.6	16.1	45.9	102	16.7	25.8	29.9	3.1	11.5
10.....	17.8	54	47.7	6.2	15.8	41.0	79	16.1	22.8	23.8	3.1	9.9
11.....	15.8	135	38.6	6.2b	14.3	34.4	63	15.5	19.8	24.8	3.1	8.2
12.....	13.4	107	32.3	6.0	13.1	29.3	52	15.2	17.0	21.0	3.0	8.6
13.....	12.0	77	28.7	5.6	12.0	37.2	45.0	14.9	14.6	19.4	3.0	7.6
14.....	10.7	49.7	24.8	5.6	11.2	47.7	35.8	17.8	43.4	19.8	3.0	6.8
15.....	9.9	44.2	19.8	5.4	10.9	46.8	32.3	21.0	92	19.4	2.6	5.8
16.....	9.2	37.9	20.2	5.4	10.5b	43.4	27.5	21.4	83	20.2	2.5	5.8
17.....	8.4	31.7	18.6	24.8	10.5b	45.0	24.8	18.6	62	19.4	2.3	5.4
18.....	8.4	27.5	17.8	58	10.3	41.8	23.8	17.4	73	17.8	2.2	5.0
19.....	8.0	23.8	15.8	57	17.0	36.5	21.8	15.5	83	15.8	2.2	4.6
20.....	7.6	21.8	15.8	47.7	22.3	29.3	21.4	14.3	344	13.4	1.9	4.0
21.....	7.2	20.2	15.2	35.8	23.8	28.7	29.3	13.1	257	14.6	3.0	3.8
22.....	6.8	18.2	14.6	42.6	22.3	37.2	33.0	15.5	155	14.6	2.8	3.6
23.....	6.6	15.8	12.6	76	20.6	48.7	32.3	16.1	102	14.3	2.6	3.3
24.....	6.4	14.5	11.8	76	17.4	47.7	32.3	17.0	73	13.7	2.6	3.1
25.....	6.2	15.8	11.2	58	15.5	41.8	45.9	16.7	56	12.2	2.5	3.6
26.....	5.8	15.8	10.5	47.7	14.0	34.4	48.7	15.5	42.6	10.9	2.8	3.1
27.....	6.6	21.4	9.2	35.8	12.6	31.1	49.7	14.0	31.7	9.9	2.8	3.1
28.....	7.0	39.4	8.6	29.3	11.8	26.3	51	12.6	26.9	8.9	4.0	3.1
29.....	7.8	65	8.6	24.8	-	23.3	44.2	10.9	23.8	7.6	8.9	3.0
30.....	8.2	110	8.6	23.8	-	21.4	37.9	9.7	21.0	6.6	8.9	2.8
31.....	8.0	-	8.2	26.9	-	21.0	-	9.2	-	6.0	10.1	-
Mean	20.6	34.8	34.2	24.8	16.7	35.2	68	17.9	65	15.7	3.7	7.5
Per sq. mi.	1.98	3.35	3.29	2.39	1.61	3.39	6.52	1.72	6.30	1.51	0.36	0.72
Acre-feet	1,270	2,070	2,100	1,530	928	2,170	4,030	1,100	3,900	967	228	448

The Year.....Discharge: Daily - Maximum 20 June, 344

- Minimum 20 August, 1.9

Mean 28.6; Per Square Mile 2.75

Runoff: Acre-feet 20,740; Depth in inches on drainage area 37.39

b - Ice conditions 5 to 11 January and as indicated.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	2.6	58	169	13.7	10.9	60	49.7	26.3	10.5	5.0	1.7	0.3
2.....	4.8	66	110	12.8	9.9	47.7	116	25.3	10.1	4.8	1.6	0.3
3.....	5.4	62	76	12.4	11.6e	38.6	113	23.3	9.7	4.6	1.3	0.2
4.....	6.6	49.7	58	36.5	13.4e	35.1	96	20.6	8.9	4.2	1.2e	0.2
5.....	6.8	45.0	46.8	45.9	15.2	29.3	184	19.0	8.6	4.8	1.1	0.2
6.....	6.8	37.2	38.6	41.0	14.0	25.8	322	17.0	9.9	3.5	1.8	0.2
7.....	6.6	34.4	52	39.4	37.2	23.8	251	14.9	9.9	3.3	0.7	0.2
8.....	8.6	41.8	94	29.9	55	21.0	169	13.4	8.9	3.1	0.6	0.2
9.....	10.1	47.7	87	26.9	65	20.8e	126	14.9	8.0	3.0	1.1	0.2
10.....	12.6	41.0	68	21.8	60	20.6	110	17.0	6.8	3.0	2.2	0.2
11.....	12.8	39.4	55	19.4	49.7	21.4	102	17.8	5.8	2.5	0.7	0.1
12.....	16.4	31.7	42.6	17.0	52	19.4	83	16.7	7.2	2.2	0.9	0.1
13.....	25.3	29.3	79	15.2	49.7	18.6	72	16.4	7.6	2.1	1.1	0.2
14.....	30.5	27.5	161	14.0	46.8	18.2	65	37.2	7.6	1.9	1.0	0.2
15.....	28.1	32.3	126	12.8	151	16.1	60	124	7.0	2.5	0.9	0.2
16.....	23.8	77	89	12.8	184	14.6	58	102	7.0	2.2	0.9	0.2
17.....	19.4	268	69	12.4	155	14.3	60	70	6.8	2.1	0.9	0.2
18.....	16.4	184	56	12.0	87	15.8	63	52	6.8	2.1	0.7	0.2
19.....	14.3	124	45.0	11.5	68	22.3	73	39.4	6.6	1.9	0.7	0.2
20.....	12.4	80	36.5	13.7	70	22.8	80	32.3	6.0	1.7	0.7	0.1
21.....	11.2	61	32.3	13.4	63	21.8	72	26.9	6.2	1.8	0.7	0.3
22.....	10.3	58	27.5	12.4	55	20.2	65	22.8	5.6	1.8	0.7	0.2
23.....	9.5	40.2	24.3	12.0	45.0	18.6	54	19.4	5.0	1.8	0.7	0.2
24.....	8.9	35.1	21.4	11.2	37.2	17.0	51	17.4	4.8	1.8	0.6	0.3
25.....	8.6	66	19.4	10.5	31.7	16.4	44.2	19.0	5.2	1.7	0.5	0.2
26.....	22.3	236	16.7	10.5	29.3	16.1	41.8	18.6	5.0	1.4	0.5	0.2
27.....	68	158	15.2	10.3	63	15.5	39.4	17.4	4.6	1.3	0.5	0.2
28.....	102	107	14.3	10.1	83	15.2	35.8	16.1	4.2	1.2	0.4	0.2
29.....	110	236	14.3	10.7	72	15.2	32.3	14.3	3.8	1.7	0.4	0.2
30.....	80	285	16.4	10.7	-	15.2	30.5	12.6	4.8	1.6	0.4	0.2
31.....	60	-	15.2	10.7	-	23.8	-	11.8	-	1.7	0.3	-
Mean	24.6	89	57	17.5	58	22.6	91	28.9	7.0	2.5	0.9	0.2
Per sq. mi.	2.36	8.52	5.51	1.69	5.59	2.18	8.71	2.78	0.67	0.24	0.09	0.02
Acre-feet	1,510	5,270	3,520	1,080	3,340	1,390	5,390	1,780	414	156	55	12

The Year.....Discharge: Daily - Maximum 6 April, 322
 - Minimum 11, 12 and 20 September, 0.1
 Mean 32.9; Per Square Mile 3.17

Runoff: Acre-feet 23,920; Depth in inches on drainage area 43.12

e - Estimated.

GOOSE HARBOUR RIVER AT GOOSE HARBOUR LAKE - STATION No. 1ER₂

Location: Lat. 45° 32' 03", long. 61° 25' 00", Nova Scotia, at outlet of Goose Harbour Lake. Drainage Area: 9.2 square miles. Gauge: Recording. Measurement of Discharge: By wading. Period of Record: September 1958 to July 1960. Extremes Recorded: Daily - Maximum, 6 April 1959, 539 cfs, Minimum, 31 July and 4 August 1959, 0.5 cfs; Instantaneous Maximum - at midnight, 5 April 1959, 616 cfs. Revisions: Drainage area W.R.P. 130. Remarks: Records available upon application to the District Engineer at Halifax, for address see page 11.

Location: Lat. 45° 43' 48", long. 60° 36' 12", Nova Scotia, at highway bridge at outlet of Loch Lomond. Drainage Area: 46.4 square miles. Gauge: Recording. Measurement of Discharge: From bridge and by wading at low water. Period of Record: May 1920 to date. Average Discharge: (40 years) - 146 cfs. Extremes Recorded: Daily - Maximum, 5 May 1923, 1,360 cfs, Minimum, 25 and 26 September 1939 and 28 August to 2 September 1947, 0.1 cfs. Revisions: Revised monthly and annual discharges for water years 1919-20 to 1927-28 are included in a summary in W.R.P. 63. Details of these revisions may be obtained upon application to the District Engineer at Halifax, for address see page 11. Drainage area, W.R.P. 130. Remarks: Records excellent except for estimated flows which are good.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	227	46.0	370	61	118	65	120	196	41.2	134	15.0	113
2.....	227	44.8	366	57	113	79	120	185	34.0	116	30.0	113
3.....	224	47.5	356	52	111	132	122	174	42.4	107	34.0	130
4.....	210	51	349	51	116	152	177	167	92	96	35.2	127
5.....	193	51	416	46.0	120	174	345	154	132	85	40.0	183
6.....	174	46.0	468	46.0	116	188	445	144	144	75	79	188
7.....	157	46.0	449	43.6	113	216	487	130	139	68	105	180
8.....	144	213	430	41.2	107	224	513	122	130	65	113	174
9.....	137	285	409	38.8	100	233	502	125	125	63	113	164
10.....	134	379	391	40.0	96	233	483	127	118	57	109	149
11.....	132	506e	370	38.8	92	224	460	122	116	54	113	139
12.....	120	525e	352	35.2	87	204	434	118	105	47.5	98	132
13.....	118	506	332	34.0	83	207	394	113	96	43.6	89	118
14.....	109	471	305	32.0	79	199	359	113	89	43.6	94	107
15.....	102	441	279	31.0	79e	199	325	118	109	42.4	75	96
16.....	94	401	254	30.0	70	202	288	116	169	38.8	70	94
17.....	85	363	230	38.8	70	210	257	116	216	36.4	65	90
18.....	83	318	207	68	61	221	242	113	224	34.0	57	85
19.....	79	279	188	83	70	224	227	109	218	30.0	55	79
20.....	72	266	169	96	70	210	218	100	210	27.0	51	74
21.....	68	257	154	100	70	204	218	98	213	26.0	46.0	66
22.....	61	236	142	105	79e	196	230	90	216	26.0	41.2	65
23.....	57	216	130	127	89	199	221	89	218	21.3	36.4	58
24.....	51	207	120	144	89	199	210	81	224	20.4	34.0	60
25.....	44.8	210	109	147	89	193	213	77	213	19.5	37.6	63
26.....	43.6	210	98	144	85	183	216	74	196	19.5	37.6	61
27.....	40.0	225	89	139	75	169	227	68	188	17.7	38.8	66
28.....	40.0	266	83	132	70	164	224	61	177	16.8	40.0	61
29.....	38.8	279	77	120	-	149	218	60	159	15.0	42.4	58
30.....	41.2	352	72	113	-	139	204	46.0	144	14.5	54e	57
31.....	43.6	-	66	120	-	127	-	44.8	-	13.4	77	-
Mean	108	258	253	76	90	184	290	111	150	47.5	62	105
Per sq. mi.	2.33	5.56	5.44	1.64	1.94	3.98	6.25	2.40	3.23	1.02	1.34	2.26
Acre-feet	6,640	15,360	15,530	4,670	4,990	11,340	17,250	6,840	8,920	2,920	3,820	6,250

The Year.....Discharge: Daily - Maximum 12 November, 525e
 - Minimum 31 July, 13.4
 Instantaneous Maximum 4 p.m., 12 November, 528
 Mean 144; Per Square Mile 3.11
 Runoff: Acre-feet 104,500; Depth in inches on drainage area 42.25

e - Estimated.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	55x	<u>152</u>	335	89	79	<u>216</u>	<u>87</u>	<u>139</u>	24.0	<u>188</u>	38.8	15.9
2.....	55	218	311	96	75	202	125	137	24.0	172	33.0	15.0
3.....	56	242	270	98e	75	193	154	132	22.2	154	34.0	13.9
4.....	52	239	269	100	74	185	177	122	19.5	139	34.0	12.2
5.....	42.4	236	248	120x	70	166	218	118	<u>17.7</u>	134	32.0	11.7
6.....	42.4	224	230e	<u>125</u>	<u>66</u>	151	315	105	20.4	122	31.0	10.6
7.....	<u>41.2</u>	213	213	118	77	139	387	96	24.0	113	30.0	8.7
8.....	46.0	224e	242	113	105	130	<u>401</u>	94	23.1	100	28.0	8.4
9.....	46.0	239	273	109	130	134	394	90	21.3	92	54	8.4
10.....	70	239	269	100	144	130	387	87	19.5	83	89	7.6
11.....	72	236	236	94	144	120	380	85	17.7	77	92	7.6
12.....	75	239	236	87	144	116	359	79	22.2	68	<u>94</u>	<u>7.2</u>
13.....	94	245	292e	81	146	109	338	79	24.0	61	88	8.4
14.....	94	239	<u>342</u>	77	147	107	321	75	27.0	59	81	26.0
15.....	79	242e	342	<u>74</u>	202	98	311	77	27.0	58	77	40.0
16.....	74	245	342	75	263	92	285	77	27.0	53	77	<u>44.8</u>
17.....	55	423	342	83	<u>282</u>	87	273	77	32.0	46.0	72	43.6
18.....	75	<u>536</u>	311	89	276	85	270	74	33.0	43.6	65	40.0
19.....	74	536	276	88	260	85	295	68	37.6	40.0	58	40.0
20.....	74	498	254e	98	260	85	311	63	41.2	34.0	55	37.6
21.....	77	423	224	96	248	83	305	58	41.2	37.6	52	41.2
22.....	74	401e	210	94	230	81	285	52	41.2	34.0	47.5	42.4
23.....	70	380	188	92	218	79	270	47.5	37.6	<u>33.0</u>	43.6	42.4
24.....	70	338	127	87	204	75	248	46.0	35.2	44.8	40.0	42.4
25.....	70	335	127	83	193	77	224	42.4	79	54	35.2	40.0
26.....	61	345	139	83	180	75	213	40.0	215	55	31.0	36.4
27.....	79	335	125e	83	193	74	196	36.4	<u>236</u>	52	28.0	34.0
28.....	98	311	113	81	218	72	183	33.0	227	46.0	26.0	33.0
29.....	<u>111</u>	325e	109	81	221	<u>68</u>	174	31.0	216	42.4	21.3	32.0
30.....	111	338	109	83	-	70	144	28.0	199	41.2	20.4	32.0
31.....	109	-	<u>96</u>	79	-	-	-	<u>25.0</u>	-	40.0	<u>18.6</u>	-
Mean	71	307	232	92	170	111	268	75	61	75	49.2	26.1
Per sq.mi.	1.53	6.61	5.01	1.99	3.66	2.40	5.77	1.61	1.32	1.61	1.06	0.56
Acre-feet	4,370	18,240	14,280	5,660	9,770	6,850	15,930	4,590	3,630	4,590	3,030	1,550

The Year..... Discharge: Daily - Maximum 18 and 19 November, 536

- Minimum 12 September, 7.2

Instantaneous Maximum 18 and 19 November, 536

Mean 127; Per Square Mile 2.75

Runoff: Acre-feet 92,490; Depth in inches on drainage area 37.38

e - Estimated.

x - Manual gauge used 1 October to 5 January.

Location: Lat. 44° 26' 48", long. 64° 35' 30", Nova Scotia, at Bruhm's bridge, West Northfield, about seven miles from Bridgewater. Drainage Area: 484 square miles. Gauge: Recording. Measurement of Discharge: From bridge and by wading at extreme low water. Period of Record: July 1915 to date. Average Discharge: (45 years) - 1,200 cfs. Extremes Recorded: Daily - Maximum, 10 January 1956, 38,000 cfs, Minimum 23, 24 and 30 September and 1 to 3 October 1921, 6.0 cfs; Instantaneous Maximum - at noon, 10 January 1956, 39,100 cfs. Revisions: Revised monthly and annual discharges for water years 1914-15 to 1929-30 are included in a summary in W.R.P. 83. Details of these revisions may be obtained upon application to the District Engineer at Halifax, for address see page 11. Drainage area, W.R.P. 130. Remarks: Records excellent except those under ice conditions which are fair.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	1,610	403	4,910	503	1,770	685	1,570	1,130	487	1,160	343	634
2.....	1,580	399	4,000	481	1,480b	981	1,800	1,080	476	1,050	329	640
3.....	1,560	396	3,230	476	1,310	1,400	2,630	1,020	789	1,000	316	627
4.....	1,430	497	2,690	476	1,290	1,500	5,210	975	1,750	931	307	627
5.....	1,240	577	3,010	470	1,510	1,510	8,180	915	1,840	859	295	757
6.....	1,090	583	3,400	470	1,620	1,490	8,130	883	1,560	771	286	785
7.....	939	590	3,440	470	1,500b	1,820	8,240	819	1,300	755	278	692
8.....	803	655	2,970b	470	1,340	2,170	7,630	787	1,130	755	274	590
9.....	715	722	2,470	465	1,170b	2,090	6,230	771	1,040	715	266	470
10.....	648	1,340	2,090	455	1,040	1,910	5,080	707	969	663	270	449
11.....	537	2,460	1,780	439	979	1,700	4,360	666	899	628	274	411
12.....	551	2,700	1,560	434	923	1,480	3,870	562	807	610	286	514
13.....	506	2,370	1,390	423	859	1,740	3,420	562	717	602	299	686
14.....	470	2,010	1,280	423	811	2,250	3,020	719	803	614	299	707
15.....	439	1,770	1,190	423b	771	2,350	2,680	939	1,310	640	295	621
16.....	408	1,570	1,110	439	723b	2,290	2,380	979	1,500	677	291	564
17.....	384	1,390	1,040	1,340	715	2,400	2,140	919	1,420	763	278	526
18.....	365	1,250	987	2,780	700	2,280	1,970	835	2,610	787	266	487
19.....	360	1,150	939	2,920	879	1,970	1,840	755	4,560	715	246	450
20.....	352	1,090	931	2,770	1,100	1,780	1,750	682	7,810	647	231	413
21.....	338	1,030	891	2,540	1,150b	1,800	1,890	628	7,790	621	242	384
22.....	325	983	867	3,010	1,130	2,110	1,900	610	5,960	596	238	355
23.....	316	931	827	5,740	1,080	2,650	1,780	648	4,660	543	258	331
24.....	307	883	803	5,910	1,010	2,590	1,630	663	3,700	526	266	307
25.....	299	889	771	4,980	923	2,350	1,510	692	2,950	520	258	299
26.....	291	889	739	4,040	851	2,150	1,370	693	2,410	481	242	291
27.....	307	1,250	715	3,290	771b	1,950	1,300	640	2,020	439	231	282
28.....	320	1,730	640	2,770	692	1,750	1,290	583	1,730	413	216	266
29.....	356	2,770	590	2,300	-	1,510	1,220	537	1,480	389	266	250
30.....	370	5,220	577	2,020	-	1,410	1,140	492	1,280	370	476	242
31.....	384	-	543	1,970	-	1,390	-	503	-	352	634	-
Mean	632	1,350	1,690	1,790	1,070	1,850	3,240	755	2,260	664	292	489
Per sq. mi.	1.31	2.79	3.49	3.71	2.22	3.83	6.69	1.56	4.67	1.37	0.60	1.01
Acre-feet	38,880	80,320	103,900	110,300	59,700	114,000	192,700	46,400	134,300	40,840	17,960	29,070

The Year.....Discharge: Daily - Maximum 7 April, 8,240

- Minimum 28 August, 216

Instantaneous Maximum 9 p.m., 5 April, 8,790

Mean 1,340; Per Square Mile 2.76

Runoff: Acre-feet 968,500; Depth in inches on drainage area 37.52

b - Ice conditions 8 December to 15 January, 9 to 16 and 21 to 27 February and as indicated.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	234	4,380	7,930	947	531b	2,660	4,280	1,830	543	172	59	13.2
2.....	316	4,150	6,210	851	526	2,360	6,240	1,690	517	169	55	13.2
3.....	444	3,760	4,930	921	531	2,100	6,510	1,590	490	165	55	12.2
4.....	515	3,250	3,980	1,940	531	1,890	6,150	1,490	455	159	53	10.9
5.....	509	2,820	3,330	2,340	543	1,700	8,040	1,380	444	152	51	10.9
6.....	470	2,470	2,860	2,170	571	1,550	12,900	1,270	434	139	49.3	10.9
7.....	439	2,210	2,730	1,900	721	1,420	12,600	1,180	460	133	41.7	10.2
8.....	477	2,270	3,070	1,630	1,000	1,310	9,810	1,090	460	130	37.9	10.2
9.....	555	2,380	3,040	1,460	1,210	1,150	7,890	1,000	439	127	43.6	10.2
10.....	648	2,300	2,750	1,330b	1,270	1,070b	6,550	1,000	408	124	41.7	8.9
11.....	707	2,130	2,460	1,270	1,280	1,170b	5,950	971	384	115	39.8	7.6
12.....	700	1,940	2,210	1,210	1,510	1,150	4,870	871	389	109	37.9	7.6
13.....	648	1,770	3,330	1,160	1,890	1,070	4,300	825	375	106	37.9	9.6
14.....	583	1,650	5,480	1,110	2,060	1,030	3,980	1,290	360	103	36.0	8.9
15.....	526	1,700	5,330	1,050	3,570	987	3,920	2,050	334	115	34.6	7.6
16.....	476	3,090	4,580	955	4,230	947	3,580	2,210	320	109	34.6	7.0
17.....	434	5,870	4,000	867b	4,090	907b	3,590	1,970	316	103	33.2	7.0
18.....	408	5,890	3,460	811	3,750	915	3,730	1,700	295	100	31.9	7.0
19.....	394	5,060	3,000	795	3,370	988	4,170	1,470	282	98	30.5	7.6
20.....	375	4,190	2,630	795	3,190	1,020	4,530	1,290	274	98	30.5	10.3
21.....	365	3,530	2,280	787	3,040	1,000	4,340	1,130	272	95	25.0	14.2
22.....	351	3,030	1,950	771	2,760	986	3,970	1,030	244	92	22.2	10.9
23.....	333	2,670	1,730	736	2,450	955	3,720	923	231	84	22.2	8.9
24.....	320	2,450	1,570	707	2,180	906	3,420	851	220	79	21.2	7.6
25.....	386	3,340	1,420	670	1,960	891	3,140	835	220	74	19.2	7.6
26.....	6,340	5,170	1,280	647	1,810	846	2,860	883	213	74	16.2	7.6
27.....	13,900	5,210	1,170	621	2,470	843	2,580	851	206	70	16.2	7.6
28.....	10,700	4,590	1,100	596b	3,030	819	2,370	771	195	65	16.2	7.6
29.....	8,550	7,050	1,040	590	2,920	803	2,170	685	187	63	15.2	7.6
30.....	6,490	9,400	1,020	577	-	868	1,980	631	180	61	14.2	7.6
31.....	5,000	-	1,000	559b	-	1,380	-	578	-	61	13.2	-
Mean	2,020	3,660	3,000	1,060	2,030	1,220	5,140	1,200	338	108	33.4	9.3
Per sq.mi.	4.17	7.56	6.19	2.18	4.20	2.51	10.62	2.49	0.70	0.22	0.07	0.02
Acre-feet	124,200	217,600	184,200	65,000	117,000	74,760	305,700	74,050	20,110	6,630	2,050	552

The Year.....Discharge: Daily - Maximum 27 October, 13,900
 - Minimum 16 to 18 September, 7.0
 Instantaneous Maximum - 7 a.m., 27 October, 15,100
 Mean 1,640; Per Square Mile 3.39
 Runoff: Acre-feet 1,192,000; Depth in inches on drainage area 46.17

b - Ice conditions 10 to 17 January and as indicated.

Location: Lat. 46° 21' 54", long. 60° 58' 36", Nova Scotia, at highway bridge, Frizzleton. Drainage Area: 142 square miles. Gauge: Recording. Measurement of Discharge: From bridge and by wading at extreme low water. Period of Record: June 1916 to July 1920, March 1921 to September 1928 and November 1928 to date. Average Discharge: (41 years) - 588 cfs. Extremes Recorded: Daily - Maximum, 14 May 1918, 10,000 cfs (revised), Minimum, 20 to 22 January 1934, 43 cfs. Revisions: 1917-18 to 1921-22, W.R.P. 45; Drainage area, W.R.P. 130. Remarks: Records excellent except those under ice conditions which are fair.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	832	918	1,180	244	390	255	205	1,170	691	313	144	275
2.....	899	870	1,110	233	375	295	205	1,210	699	313	150	575
3.....	732	750	979	236	355	470	295	1,010	1,550	495	139	365
4.....	597	716	889	208	360	345	979	989	1,670	401	133	287
5.....	541	716	1,120	198	590	279	2,850	1,060	979	322	131	464
6.....	597	707	1,040	202	451	248b	2,170	928	795	283	133	326
7.....	527	1,880	959	225b	318	229	2,350	959	675	313	136	255
8.....	470	3,630	860	225	340	225	1,810	1,180	650	401	150	225
9.....	434	3,480	707	218	304	218	1,120	1,260	597	317	152	208
10.....	412	1,850	658	205	304e	211b	899	1,070	555	279	136	195
11.....	401	2,890	521	201	300e	211	795	1,130	568	255	131	182
12.....	440	1,770	488	195	299e	208b	658	1,540	514	267	128	429
13.....	643	1,480	439	195b	299e	248	541	2,260	457	267	128	326
14.....	582	1,180	457	173	295e	360	495	2,140	423	255	123	299
15.....	582	1,050	457	170	295	295	464	1,800	1,010	244	118	418
16.....	527	1,410	445	170	317	233	451	1,580	1,690	225	115	470
17.....	699	1,110	428	507	299	225	439	1,350	979	215	116	434
18.....	1,240	969	395	1,020	291	215	457	1,250	732	205	142	488
19.....	1,180	1,170	390	597	283	201b	501	1,200	627	192	401	501
20.....	918	3,840	385	428	299	188	534	1,250	650	188	218	434
21.....	759	1,670	350	313	255	192	683	1,250	597	185	170	350
22.....	650	1,370	331	327	287	225	568	1,190	534	182	150	313
23.....	582	1,130	317	786	291	295	548	1,350	501	176	144	295
24.....	534	1,050	317	590	287	283	683	1,060	476	167	139	390
25.....	495	1,110	331	457	279	275	612	899	428	164	131	707
26.....	445	2,280	326	445	271	255	750	832	390	164	128	495
27.....	417	1,280	308	327	267	218	1,610	938	370	164	128	385
28.....	417	4,520	283	340	259	201	1,420	918	340	155	128	335
29.....	401	2,070	287	340	-	201	1,130	822	331	152	488	308
30.....	620	1,370	283	322	-	195	1,070	741	326	152	534	287
31.....	1,290	-	259	476	-	198	-	899	-	147	283	-
Mean	641	1,670	558	341	320	248	910	1,200	693	244	176	367
Per sq. mi.	4.51	11.79	3.93	2.40	2.25	1.75	6.41	8.46	4.88	1.72	1.24	2.59
Acre-feet	39,400	99,640	34,310	20,970	17,770	15,270	54,130	73,850	41,260	14,990	10,800	21,860

The Year.....Discharge: Daily - Maximum 28 November, 4,520

- Minimum 16 August, 115

Instantaneous Maximum 11 a.m., 28 November, 8,170

Mean 614; Per Square Mile 4.32

Runoff: Acre-feet 444,300; Depth in inches on drainage area 58.66

b - Ice conditions.

e - Estimated.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	271	691	1,550	326	182	248	1,530	1,020	331	176	115	139
2.....	304	918	1,130	300	211	255	1,110	899	326	173	113	170
3.....	295	716	928	318	201	244	691	1,000	313	164	110	158
4.....	255	613	813	<u>1,060</u>	188	233	635	949	291	164	108	147
5.....	248	732	716	605	176	236	2,240	1,230	287	161	108	150
6.....	229	777	635	457	<u>164</u>	222	<u>4,640</u>	1,720	<u>345</u>	161	108	152
7.....	222	643	750	401	304	218	2,120	2,430	317	158	115	144
8.....	283	741	1,900	340	507	215	1,210	2,460	271	155	108	133
9.....	304	683	1,230	340	390	192	889	2,910	251	152	176	133
10.....	259	597	880	283	295	202	732	<u>2,950</u>	240	158	152	136
11.....	236	534	732	331	263	218	597	2,480	233	158	123	152
12.....	237	488	650	385	244	218	514	1,930	255	158	118	133
13.....	244	464	2,280	390	240	215	495	1,860	313	155	108	<u>128</u>
14.....	229	<u>429</u>	<u>3,480</u>	350	244	195	464	1,720	271	155	99	<u>683</u>
15.....	229	568	1,370	317	<u>918</u>	195	434	1,770	275	155	97	482
16.....	218	759	1,230	295	813	195	412	1,410	240	147	95	283
17.....	<u>211</u>	1,530	1,250	279	534	192	<u>396</u>	1,100	233	133	95	218
18.....	360	989	949	271	417	185	1,150	949	218	128	93	188
19.....	521	777	804	263	331	198	3,940	851	225	128	<u>92</u>	192
20.....	380	635	707	263	365	185	2,000	777	208	133	93	185
21.....	417	555	642	255	340	170	1,140	707	202	136	<u>555</u>	287
22.....	401	488	582	248	313	176	860	635	208	136	345	299
23.....	355	464	548	233	295	170	732	575	202	139	326	229
24.....	385	464	507	222	287	167	650	534	225	<u>215</u>	271	195
25.....	732	2,430	476	218	271	167	590	507	244	185	476	176
26.....	548	2,150	428	215	255	152	561	476	313	155	406	173
27.....	1,040	1,060	423	208	313	155	527	445	240	136	255	167
28.....	<u>1,330</u>	1,320	401	198	304	167	575	412	205	123	198	164
29.....	1,210	<u>4,290</u>	380	192	259	161	620	385	185	120	173	161
30.....	750	2,970	360	205	-	<u>144</u>	889	370	<u>176</u>	<u>118</u>	155	158
31.....	605	-	<u>345</u>	<u>164</u>	-	229	-	<u>345</u>	-	118	147	-
Mean	429	1,020	938	320	332	197	1,110	1,220	255	150	178	204
Per sq.mi.	3.02	7.15	6.61	2.26	2.33	1.39	7.83	8.59	1.79	1.06	1.26	1.44
Acre-feet	26,400	60,450	57,670	19,700	19,090	12,140	66,140	74,990	15,160	9,230	10,970	12,130

The Year.....Discharge: Daily - Maximum 6 April, 4,640

- Minimum 19 August, 92

Instantaneous Maximum - 11 p.m., 13 December, 6,710

Mean 529; Per Square Mile 3.73

Runoff: Acre-feet 384,100; Depth in inches on drainage area 50.71

Location: Lat. 46° 13' 24", long. 61° 08' 12", Nova Scotia, at highway bridge, Upper Margaree. Drainage Area: 138 square miles. Gauge: Chain, read daily. Measurement of Discharge: From bridge and by wading at low water. Period of Record: October 1918 to date. Average Discharge: (42 years) - 414 cfs. Extremes Recorded: Daily - Maximum, 6 November 1927, 2,300 cfs; Minimum, 6 and 8 September 1929, 16.0 cfs. Revisions: Revised monthly and annual discharges for water years 1918-19 to 1921-22 are included in a summary in W.R.P. 45. Details of these revisions may be obtained upon application to the District Engineer at Halifax, for address see page 11. Drainage area, W.R.P. 130. Remarks: Records good except those under ice conditions which are fair.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	271	371	1,010	496	396	280	336e	672	296	336	159	99
2.....	271	402	1,010	486b	380	350	336	652	282	336	129	116
3.....	271	356	1,010	469b	412	350	365	672	500	336	120	116
4.....	271	341	988	462	445	321	550	652	368	321	110	122
5.....	271	341	1,030	462	396	321	942	652	368	307	120	172
6.....	259	327	1,080	445	380	321	965	614	338	307	129	151
7.....	259	371	1,030	429	350	321	942	614	338	336	120	145
8.....	246	625	988	422b	350	321	919	614	324	307	120	139
9.....	246	645	988	419	350b	321	897	595	324	307	110	133
10.....	246	692	965	402	336	321	874	576	324	293	110	133
11.....	241	692	942	386	336	321	852	576	310	293	110	131
12.....	234	733	919	371	321	293	809	576	296	266	110	153
13.....	259	733	852	350	307	380	766	576	296	254	101	145
14.....	246	692	809	344	307	365	725	576	310	254	101	143
15.....	246	652	766	336b	307	350	704e	557	729	254	92	133
16.....	234	606	766	365	293	380	676	557	610	229	92	131
17.....	246	625	766	445	293b	380	656	539	536	229	101	170
18.....	259	645	725	412	307	350	656	504	465	217	120	155
19.....	246	684	704	396	336	350	637	469	465	217	116	135
20.....	246	645	684	380	336	350	637	469	465	206	107	133
21.....	234	645	645	380	321	350	617	452	448	206	101	139
22.....	234	606	704	365	307	412	656	452	432	194	94	133
23.....	234	587	684	380	307	380	656	371	432	194	92	131
24.....	234	587	625	396	293	350	637	386	415	183	92	145
25.....	234	606	606	412	293	350	656	371	415	183	92	145
26.....	234	606	606	412	280	336	676	371	368	172	91	141
27.....	234	1,030	587	396	280	321	716	341	368	172	91	141
28.....	234	809	587	380	280	321	696	341	353	151	91	137
29.....	234	725	550	380	-	321	696	327	353	141	139	133
30.....	285	766	514	350	-	321	696	327	353	141	116	131
31.....	341	-	479	380	-	321	-	313	-	131	103	-
Mean	252	605	794	403	332	340	698e	509	396	241	109	138
Per sq. mi.	1.82	4.38	5.75	2.92	2.41	2.46	5.06	3.68	2.87	1.75	0.79	1.00
Acre-feet	15,470	35,990	48,830	24,810	18,440	20,880	41,550	31,270	23,570	14,820	6,700	8,190

The Year.....Discharge: Daily - Maximum 6 December, 1,080

- Minimum 26 to 28 August, 91

Mean 401; Per Square Mile 2.91

Runoff: Acre-feet 290,500; Depth in inches on drainage area 39.47

b - Ice conditions 8 to 15 January and 9 to 17 February.

e - Estimated 1 to 15 April.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	<u>129</u>	419	729	536	313	<u>465</u>	442	614	282	<u>192</u>	<u>89</u>	46.0
2.....	149	419	704	525	299	452	<u>380</u>	625	282	187	77	43.6
3.....	145	412	704	514	296	442	380	641	271	174	74	43.6
4.....	139	<u>406</u>	668	<u>557</u>	282	422	536	648	282	179	74	42.3
5.....	139	432	629	539	<u>256</u>	412	915	656	<u>288</u>	159	73	39.9
6.....	137	452	625	521	256	412	<u>951</u>	676	277	151	74	39.9
7.....	137	476	633	507	507	409	808	<u>692</u>	263	143	69	38.7
8.....	187	483	791	500b	396	393	737	684	241	139	70	37.5
9.....	166	476	708	486	377	380	733	684	227	153	75	<u>36.3</u>
10.....	166	462	684	476b	362	393	729	652	224	149	73	49.8
11.....	166	445	648	472b	359	399	708	625	206	139e	79	39.9
12.....	196	445	633	462b	374	390	688	614	261	129	71	37.5
13.....	192	438	<u>1,010</u>	455b	368	371	680	595	243	118	66	42.4
14.....	170	415	870	448b	362	341	680	580	215	116	65	<u>103</u>
15.....	170	504	834	435	<u>633</u>	362	664	557	208	114	63	79
16.....	172	625	901	432	521	353	625	561	222	112	62	47.2
17.....	174	641	848e	406	521	344	648	482	212	108	61	54
18.....	196	595	800	393	514	347	892	469	212	105	55	58
19.....	190	565	779	425	497	338	924	438	219	108	55	54
20.....	185	550	733	406	510	327	813	422	210	110	55	48.4
21.....	196	539	720	422	483	330	745	406	210	107	68	62
22.....	203	528	700	380	448	321	729	393	201	89	65	59
23.....	210	514	688	383	459	310	712	380	199	133	65	58
24.....	217	528	664	359	452	307	680	368	201	112	68	51
25.....	215	<u>813</u>	637	350	445	315	680	344	231	98	65e	54
26.....	227	724	610	353	445	301	672	333	212	91	61	49.8
27.....	224	629	598	347	539	313	664	324	<u>194</u>	87	63	47.2
28.....	<u>383</u>	648	576	344	500	290	648	313	194	84	55	46.0
29.....	377	796	569	338	472	282	641	299	194e	84	55	46.0
30.....	347	779	568	<u>310</u>	-	<u>274</u>	629	288	194	<u>82</u>	51	49.8
31.....	327	-	<u>550</u>	341	-	290	-	<u>271</u>	-	103	<u>46.0</u>	-
Mean	201	539	704	433	422	358	691	504	229	124	66	50
Per sq.mi.	1.46	3.90	5.10	3.14	3.06	2.59	5.01	3.65	1.66	0.90	0.48	0.36
Acre-feet	12,360	32,050	43,260	26,620	24,290	21,990	41,120	31,010	13,640	7,650	4,050	2,980

The Year.....Discharge: Daily - Maximum 13 December, 1,010

- Minimum 9 September, 36.3

Mean 360; Per Square Mile 2.61

Runoff: Acre-feet 261,000; Depth in inches on drainage area 35.46

b - Ice conditions.

e - Estimated.

Location: Lat. 44° 24' 48", long. 65° 03' 18", Nova Scotia, at highway bridge, one-quarter mile below Eel Lake, four miles from Caledonia. Drainage Area: 132 square miles. Gauge: Recording. Measurement of Discharge: From bridge and by wading at extreme low water. Period of Record: August and September 1917, June and July 1918, December 1918 to October 1924, December 1924 to March 1925, October 1927 to September 1943 and October 1944 to date. Average Discharge: (37 years) - 326 cfs. Extremes Recorded: Daily - Maximum, 10 January 1956, 8,000 cfs (estimated), Minimum, 21 September 1957, 0.5 cfs. Revisions: Drainage area, W.R.P. 130. Remarks: Records excellent.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	312	141	1,030	156	676	205	515	421	340	396	33.2	318
2.....	418	221	982	153	595	226	494	381	352	339	33.2	275
3.....	444	246	911	153	549	251	527	373	399	294	35.6	235
4.....	452	347	863	153	524	325	763	355	467	264	38.0	216
5.....	458	272	895	155	533	360	1,250	327	509	232	32.0	259
6.....	438	262	907	156	518	360	1,810	396	533	233	31.0	248
7.....	312	259	887	153	482	373	2,740	412	452	327	31.0	233
8.....	277	255	789	153	438	342	2,750	360	421	337	30.5	69
9.....	277	148	774	153	404	320	2,020	327	426	273	30.5	92
10.....	401	253	752	150	407	296	1,680	283	438	244	30.0	98
11.....	407	407	676	152	373	268	1,450	150	435	232	28.4	139
12.....	407	375	615	97	355	244	1,320	48.9	373	228	28.4	255
13.....	404	491	582	26.9	290	262	944	187	352	253	26.9	246
14.....	404	549	546	26.4	264	283	666	318	352	287	26.9	159
15.....	96	546	500	74	251	314	530	294	388	259	26.9	58
16.....	31.0	506	470	216	250	335	476	279	424	257	26.4	58
17.....	20.5	325	449	444	259	350	455	266	435	305	26.4	58
18.....	18.0	320	441	432	223	329	429	262	572	281	26.4	67
19.....	18.0	435	396	418	246	292	368	182	883	277	26.9	30.0
20.....	20.0	421	355	424	283	255	320	135	1,500	312	29.4	30.0
21.....	35.6	250	323	441	264	246	345	262	1,410	296	30.0	108
22.....	41.2	257	273	559	277	294	371	290	1,210	244	32.6	167
23.....	55	316	250	927	272	307	415	264	1,120	187	25.9	58
24.....	172	515	246	1,110	275	309	418	255	1,130	185	24.5	58
25.....	211	575	242	1,070	251	418	381	266	903	255	26.9	131
26.....	192	562	230	1,030	230	470	404	268	662	250	28.9	38.6
27.....	126	605	211	956	230	482	426	279	575	230	30.0	30.0
28.....	80	595	203	895	219	530	444	148	527	155	34.4	56
29.....	47.4	770	184	832	-	543	503	167	482	36.8	32.6	58
30.....	71	986	167	774	-	592	488	268	455	33.2	32.6	118
31.....	97	-	179	742	-	543	-	316	-	33.8	205	-
Mean	218	407	527	425	355	346	857	275	618	243	35.5	132
Per sq. mi.	1.65	3.08	3.99	3.22	2.69	2.62	6.49	2.09	4.68	1.84	0.27	1.00
Acre-feet	13,370	24,220	32,390	26,150	19,710	21,270	50,980	16,940	36,740	14,940	2,180	7,870

The Year.....Discharge: Daily - Maximum 8 April, 2,750
 - Minimum 18 and 19 October, 18.0
 Instantaneous Maximum 2 p.m., 7 April, 2,970
 Mean 368; Per Square Mile 2.79
 Runoff: Acre-feet 266,800; Depth in inches on drainage area 37.89

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	145	1,310	<u>2,010</u>	307	<u>166</u>	<u>611</u>	<u>470</u>	<u>572</u>	69	<u>32.0</u>	24.5	14.5
2.....	251	1,260	1,700	296	178	568	805	464	104	30.5	20.9	17.6
3.....	352	1,160	1,440	323	170	536	1,010	421	142	30.0	19.2	16.8
4.....	350	1,090	1,260	435	168	506	1,090	410	187	30.5	18.4	11.1
5.....	203	1,010	1,140	452	179	476	1,720	355	70	30.0	17.6	10.5
6.....	145	923	1,040	<u>458</u>	187	441	3,230	233	167	27.9	17.6	14.1
7.....	239	786	982	452	373	435	<u>3,710</u>	226	185	26.9	17.2	14.5
8.....	355	696	952	441	283	396	3,330	232	211	27.4	17.2	13.4
9.....	329	625	903	407	187	355	2,760	250	141	28.4	18.0	14.5
10.....	272	592	840	401	200	350	2,380	273	298	27.4	17.6	12.1
11.....	266	552	756	412	253	339	1,760	273	277	28.9	17.6	8.5
12.....	259	<u>543</u>	710	404	350	318	1,640	292	264	28.4	17.6	6.8
13.....	179	592	867	375	383	307	1,530	244	232	23.1	16.4	8.2
14.....	62	649	1,130	327	401	298	1,380	266	198	20.9	17.2	10.2
15.....	135	696	1,200	281	537	273	1,190	323	303	22.1	18.8	13.1
16.....	201	1,060	1,170	275	655	273	1,010	303	329	<u>20.9</u>	19.2	11.1
17.....	259	1,060	1,100	268	713	266	855	365	383	22.6	18.8	7.3
18.....	211	1,130	1,030	270	717	253	696	452	<u>415</u>	25.0	18.0	4.9
19.....	128	1,170	940	279	713	262	611	446	399	25.5	18.4	<u>4.4</u>
20.....	221	1,110	855	301	734	259	585	424	67	27.9	19.2	7.9
21.....	104e	1,020	782	274	727	264	793	388	117	27.4	19.6	12.8
22.....	173e	956	713	264	<u>1,120</u>	266	1,140	314	242	26.9	18.8	7.9
23.....	173	915	642	219	669	232	1,120	248	218	26.4	<u>25.0</u>	5.7
24.....	<u>52</u>	867	578	211	628	192	859	181	373	26.9	22.6	5.1
25.....	139	948	524	195	585	185	669	143	307	26.9	18.8	4.9
26.....	638	1,140	482	203	552	179	618	185	175	27.4	18.4	92
27.....	1,200	1,180	452	209	621	<u>170</u>	679	190	40.5	26.4	17.6	<u>239</u>
28.....	<u>2,050</u>	1,140	435	195	645	175	720	211	71	26.4	17.6	164
29.....	1,930	1,490	424	197	642	187	706	<u>49.7</u>	37.4	26.9	14.1	169
30.....	1,600	<u>2,110</u>	391	190	-	225	645	126	<u>32.6</u>	25.9	16.0	225
31.....	1,370	-	<u>345</u>	<u>164</u>	-	301	-	206	-	25.5	<u>13.8</u>	-
Mean	451	993	897	306	474	319	1,320	292	202	26.8	18.4	38.2
Per sq.mi.	3.42	7.52	6.79	2.32	3.59	2.42	10.03	2.22	1.53	0.20	0.14	0.29
Acre-feet	27,750	59,070	55,130	18,810	27,250	19,630	78,770	17,980	12,010	1,640	1,130	2,270

The Year.....Discharge: Daily - Maximum 7 April, 3,710
 - Minimum 19 September, 4.4
 Instantaneous Maximum - 4 p.m., 7 April, 3,800
 Mean 443; Per Square Mile 3.35
 Runoff: Acre-feet 321,400; Depth in inches on drainage area 45.66

e - Estimated.

Location: Lat. 44° 10' 24", long. 64° 39' 36", Nova Scotia, at highway bridge, Charleston. Drainage Area: 535 square miles. Gauge: Recording. Measurement of Discharge: From bridge and by wading at extreme low water. Period of Record: August 1915 to date. Average Discharge: (45 years) - 1,460 cfs. Extremes Recorded: Daily - Maximum, 12 January 1956, 22,600 cfs, Minimum, 13 September 1960, 6.4 cfs; Instantaneous Maximum - at midnight, 11 January 1956, 23,100 cfs. Revisions: Revised monthly and annual discharges for water years 1914-15 to 1925-26 are included in a summary in W.R.P. 63. Details of these revisions may be obtained upon application to the District Engineer at Halifax for address see page 11. Drainage area, W.R.P. 130. Remarks: Records excellent under open-water conditions; fair during periods of ice effect and estimated flows.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	1,400	650	3,340	926	3,000	1,080	2,210	1,700	708	2,590	579	250
2.....	1,540	635	3,400	903	2,800	1,500	2,210	1,670	708	2,320	547	303
3.....	1,600	642	3,390	880	2,600	1,690	2,380	1,580	1,070	2,200	508	342
4.....	1,570	830	3,390	834	2,520b	1,690	3,140	1,500	1,680	1,970	469	372
5.....	1,560	885	4,270	834	2,530	1,750	3,890	1,420	1,650	1,760	452	433
6.....	1,590	866	4,530	834	2,350	1,780	4,270	1,350	1,580	1,570	430	449
7.....	1,510	894	4,370	812	2,050b	2,410	5,040	1,290	1,520	1,580	401	446
8.....	1,410	1,010	3,920	812	1,940	2,540	5,620	1,270	1,460	1,610	388	439
9.....	1,350	1,020	3,660	790	1,830	2,390	5,920	1,250	1,410	1,490	382	426
10.....	1,290	1,800	3,420	790	1,740	2,230	5,800	1,180	1,380	1,330	372	401
11.....	1,270	2,640	3,100b	790	1,640	2,110	5,470	1,120	1,340	1,220	382	391
12.....	1,200	2,540	2,910	769	1,510	1,940b	5,130	1,070	1,280	1,160	376	456
13.....	1,140	2,330	2,720	769	1,420	2,340	4,760	986	1,210	1,140	354	480
14.....	1,090	2,190	2,540	748	1,330	2,590	4,310	1,020	1,330	1,220	330	476
15.....	1,050	2,170	2,360	748	1,220	2,500	3,850	1,120	1,540	1,280	319	466
16.....	982	2,110	2,220	748b	1,140	2,530	3,420	1,100	1,500	1,340	300	459
17.....	898	2,010	2,080	1,450	1,070	2,670	3,100	1,060	1,460	1,410	282	436
18.....	830	1,900	1,930	2,010	1,120	2,560	2,830	1,000	2,400	1,330	275	410
19.....	748	1,770	1,820	2,070	996	2,380	2,580	967	3,480	1,210	266	388
20.....	685	1,740	1,720	2,050	996	2,260	2,390	926	4,970	1,130	250	372
21.....	732	1,650	1,630	2,060	972	2,300	2,360	885	5,590	1,130	230	348
22.....	646	1,540	1,560	2,960	935	2,600	2,140	875	5,450	1,180	241	330
23.....	692	1,440	1,470	4,500	903	2,880b	1,910	921	5,140	1,110	241	339
24.....	650	1,340	1,400	4,560	880	2,720b	1,780	894	4,850	1,020	230	324
25.....	639	1,400	1,320	4,550	812	2,610	1,700	903	4,490	944	209	313
26.....	627	1,380	1,250	4,510	1,240b	2,540	1,600	885	4,030	903	203	311
27.....	677	1,670	1,180	4,060b	1,180	2,480	1,620	857	3,790	843	205	303
28.....	736	1,850	1,120	4,020	1,130	2,380	1,660	834	3,490	799	205	292
29.....	761	2,350	1,060	3,750	-	2,230	1,580	790	3,180	752	211	280
30.....	736	3,210	996	3,400	-	2,150	1,570	720	2,880	681	245	273
31.....	688	-	949	3,240	-	2,160	-	724	-	620	248	-
Mean	1,040	1,620	2,420	2,010	1,570	2,260	3,210	1,090	2,550	1,320	327	377
Per sq. mi.	1.95	3.02	4.52	3.75	2.93	4.22	6.00	2.04	4.77	2.46	0.61	0.70
Acre-feet	64,060	96,120	148,800	123,300	86,980	138,800	190,900	67,170	151,900	81,010	20,090	22,430

The Year.....Discharge: Daily - Maximum 9 April, 5,920
 - Minimum 26 August, 203
 Instantaneous Maximum 6 p.m., 9 April, 5,950
 Mean 1,650; Per Square Mile 3.08
 Runoff: Acre-feet 1,192,000; Depth in inches on drainage area 41.76

b - Ice conditions 11 December to 16 January, 27 January to 4 February, 7 to 26 February and as indicated.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	<u>275</u>	5,300	<u>7,190</u>	1,610	1,170	<u>3,640b</u>	2,780	<u>2,350</u>	<u>885</u>	<u>404</u>	101	<u>29.1</u>
2.....	752	5,210	7,160	1,500	<u>1,120</u>	3,380b	3,880	2,180	830	369	<u>103</u>	25.9
3.....	991	4,940	6,750	1,380	1,570	2,990	4,210	2,060	786	333	100	22.1
4.....	889	4,630	6,200	2,200	1,450	2,930	4,700	1,860	761	300	97	22.1
5.....	803	4,310	5,600	2,240	1,330	2,790	6,010	1,720	782	285	93	22.1
6.....	756	4,010	5,070	2,140	1,270	2,600	7,890	1,570	761	263	84	20.7
7.....	720	3,750	4,880	2,060b	1,170	2,410	8,860	1,380	736	250	80	18.6
8.....	898	3,700	4,770	2,010	1,770	2,210b	<u>9,240</u>	1,220	704	234	79	17.9
9.....	1,030	3,540	4,420	1,960	1,640	2,020b	9,110	1,140	685	221	79	17.2
10.....	1,140	3,310	4,060	1,900	1,510	1,850b	8,700	1,170	631	209	75	15.2
11.....	1,100	3,080	3,760	1,860	1,390	1,950	8,050	1,180	624	205	75	11.5
12.....	1,040	2,930	3,470	1,820b	1,640	1,820	7,190	1,120	669	181	74	8.8
13.....	1,010	2,660	3,870	1,700e	2,060	1,720	6,510	1,130	669	161	73	<u>6.4</u>
14.....	931	2,500	<u>4,540</u>	<u>2,280</u>	1,900	1,670	5,910	1,570	<u>642</u>	171	70	11.5
15.....	848	<u>2,470</u>	4,560	1,900	4,230	1,560	5,370	1,960	594	205	<u>64</u>	15.2
16.....	794	3,480	4,520	1,810e	4,020	1,460	4,920	1,880	582	222	61	15.2
17.....	748	5,180	4,500	1,720	3,840	1,390	4,490	1,770	623	207	61	15.2
18.....	720	5,120	4,330	1,630	3,660	1,420	4,100	1,670	627	191	61	14.5
19.....	716	4,950	4,100	1,540	3,570	1,560	3,800	1,610	646	183	59	13.9
20.....	681	4,780	3,860	1,450	3,480	1,540	3,540	1,540	639	173	59	14.5
21.....	654	4,560	3,610	1,370	3,840	1,490	3,320	1,460	594	173	61	22.8
22.....	624	4,320	3,320	1,280	3,660	1,450	3,330	1,380	557	167	60	22.8
23.....	619	4,130	3,110	1,210	3,480	1,380	3,540	1,280	529	150	58	21.4
24.....	598	3,970	2,840	1,140	3,320	1,320	3,560	1,190	505	163	51	20.7
25.....	612	4,260	2,580	1,070	3,240e	1,250	3,410	1,280	533	139	49.0	19.3
26.....	2,060	5,070	2,350	1,000	3,220	1,210	3,210	1,420	557	134	48.0	17.2
27.....	3,690	5,020	2,170	935	4,170	1,160	2,980	1,310	522	126	43.0	17.2
28.....	4,200	4,810	1,990	<u>871</u>	<u>4,240</u>	<u>1,130</u>	2,820	1,190	469	118	39.1	16.5
29.....	5,070	5,910	1,900	880	3,900	1,140	2,670	1,120	<u>414</u>	112	31.5	15.9
30.....	<u>5,390</u>	<u>7,090</u>	1,830	1,390	-	1,200	<u>2,540</u>	1,010	423	<u>110</u>	<u>26.7</u>	18.6
31.....	5,290	-	<u>1,720</u>	1,270	-	1,530	-	<u>926</u>	-	112	29.1	-
Mean	1,470	4,300	4,030	1,580e	2,650e	1,840	5,020	1,470	633	202	66	17.7
Per sq.mi.	2.75	8.04	7.54	2.96	4.95	3.45	9.39	2.75	1.18	0.38	0.12	0.03
Acre-feet	90,540	255,800	248,000	97,440	152,400	114,000	298,800	90,540	37,640	12,440	4,050	1,050

The Year.....Discharge: Daily - Maximum 8 April, 9,240
 - Minimum 13 September, 6.4
 Instantaneous Maximum 1 p.m., 8 April, 9,280
 Mean 1,930; Per Square Mile 3.61
 Runoff: Acre-feet 1,402,000; Depth in inches on drainage area 49.14

b - Ice conditions 7 to 12 January and as indicated.
 e - Estimated 16 January to 25 February and as indicated.

Location: Lat. 44° 04' 00", long. 64° 45' 54", Nova Scotia, about three-quarters of a mile upstream from highway bridge, Milton. Drainage Area: 758 square miles. Gauge: Recording. Measurement of Discharge: From cableway. Period of Record: December 1954 to date. Average Discharge: (5 years) - 2,120 cfs. Extremes Recorded: Daily - Maximum, 17 January 1958, 10,200 cfs, Minimum, 1 July 1957, 293 cfs; Instantaneous Maximum - 5 p.m., 17 January 1958, 11,600 cfs. Revisions: Drainage area, W.R.P. 130. Remarks: Records excellent except for estimated flows which are good.

Monthly Discharge for Water Year 1958-59

Month	Discharge in Cubic Feet per Second				Runoff	
	Mean	Effect of Upstream Storage*	Natural Mean Flow	Per Square Mile	Depth in inches on Drainage Area	Total in Acre-feet
October	1,790	- 406	1,390	1.83	2.11	85,280
November	1,970	+ 310	2,280	3.01	3.36	135,900
December	2,060e	+ 813	2,870	3.79	4.37	176,500
January	2,190e	+ 694	2,880	3.80	4.38	177,100
February	2,360	+ 518	2,870	3.79	3.95	159,600
March	2,250	+ 919	3,170	4.18	4.83	195,000
April	2,670	+1,250	3,920	5.17	5.77	233,400
May	1,830	- 542	1,290	1.70	1.95	79,010
June	2,130	+ 960	3,090	4.08	4.55	184,000
July	2,110	- 548	1,560	2.06	2.37	95,920
August	1,860	-1,820	33	0.04	0.05	2,030
September	1,880	-1,680	193	0.25	0.28	11,480
The Year	2,090	+ 33	2,120	2.80	37.97	1,530,000

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	2,230	1,810	1,900	1,220	1,500	1,530	2,130	2,460	1,580	2,930	2,030	2,280
2.....	2,320	1,040	2,590	2,150	2,640	2,280	2,460	2,470	2,200	3,410	1,220	1,920
3.....	2,320	1,350	2,340	2,270	2,570	2,960	2,590	1,340	2,110	3,930	1,260	2,040
4.....	2,170	1,600	2,550	1,090	2,720	2,860	2,740	1,810	2,140	3,650	1,950	2,080
5.....	1,500	1,810e	2,800	1,920	2,550	2,710	1,700	2,220	2,110	1,530	1,890	2,190
6.....	1,360	1,800	3,000	2,520	2,560	2,720	2,350	2,350	2,110	2,210	2,100	1,520
7.....	2,040	1,780	1,790	2,390	2,510	3,190	2,800	2,270	1,180	2,420	2,130	761
8.....	1,470	1,790	1,780	2,520	2,660	1,880	2,830	2,260	1,050	2,660	2,000	1,210
9.....	1,410	1,130	2,390e	2,270	2,570	2,660	2,820	2,040	1,520	2,530	1,120	2,160
10.....	1,480	2,340	2,390	2,150	2,350	2,780	2,640	1,200	1,450	2,110	1,500	2,130
11.....	1,480	2,750	2,330	1,170	2,310	3,280	2,990	1,400	1,330	1,920	2,210	1,950
12.....	863	2,270	2,390	1,810	2,270	1,700e	1,840	1,630	1,560	1,140	1,860	2,080
13.....	971	2,200	2,390	2,520	2,370	1,600e	2,610	1,310	1,230	1,070	2,070	1,090
14.....	1,640	2,100	1,130	2,520	2,270	1,550e	3,200	1,830	1,220	2,130	2,030	2,010
15.....	1,930	2,070	1,590	2,450	1,500	898e	2,830e	1,630	1,470	2,040	2,030	2,070
16.....	2,110	1,060	2,270	2,270	2,210	2,200	2,750	1,510	1,900	2,560	1,310	1,930
17.....	2,100	1,460	2,390	2,030	2,160	2,420	3,030	971	2,030	2,260	1,910	2,110
18.....	2,010	2,140	2,450	1,130	2,380	2,380	3,050	1,260	3,070	2,080	1,930	2,050
19.....	1,350	2,480	2,520	1,810	2,780	2,550	1,720	2,080	2,860	1,230	1,990	1,850
20.....	1,370	2,220	2,270	2,150	2,400	2,330	2,530	1,780	3,290	1,490	2,040	1,370
21.....	1,960	2,340	1,090	2,650e	2,520	2,430	3,080	1,930	2,090	1,980	2,050	2,070
22.....	2,070	2,470	1,540	3,130	1,680	1,540	3,160	2,190	1,420	2,030	2,070	2,110
23.....	2,030	1,420	2,210	3,600	2,090	2,190	3,190	2,100	2,190	2,050	1,310	1,920
24.....	2,140	1,680	1,920	2,830	2,560	2,530	3,190	1,190	2,330	1,920	1,940	1,880
25.....	2,080	2,270	898	1,350	2,270	2,560	3,090	1,830	2,640	1,940	2,190	1,980
26.....	1,080	2,270	1,700	1,950	2,510	2,320	1,810	2,220	2,940	1,070	2,020	2,110
27.....	1,450	2,430	2,390	2,330	2,600	2,220	2,350	2,100	2,990	1,450	2,020	1,170
28.....	2,260	2,400	1,090	2,320	2,440	2,190	2,830	2,200	2,280	1,950	2,160	1,980
29.....	2,210e	2,830	1,810	2,320	-	1,420	2,920	2,140	3,280	1,710	2,150	2,230
30.....	2,030	1,900	2,270	2,550	-	1,700	2,920	1,870	4,390	1,990	1,080	2,020
31.....	2,150	-	1,600	2,390e	-	2,250	-	1,060	-	1,950	1,970	-

The Year..... Discharge: Daily - Maximum 30 June, 4,390
 - Minimum 7 September, 761
 Instantaneous Maximum 9 a.m., 30 June, 4,700
 Mean 2,090; Per Square Mile 2.80
 Runoff: Acre-feet 1,530,000; Depth in inches on drainage area 37.97

e - Estimated 29 October to 5 November, 9 December to 21 January and as indicated.

* - Storage in Lake Rossignol.

Monthly Discharge for Water Year 1959-60

Month	Discharge in Cubic Feet per Second				Runoff	
	Mean	Effect of Upstream Storage*	Natural Mean Flow	Per Square Mile	Depth in inches on Drainage Area	Total in Acre-feet
October	2,300	0	2,300	3.03	3.49	141,200
November	3,100	+2,870	5,960	7.87	8.78	354,900
December	5,370	- 597	4,770	6.29	7.25	293,200
January	2,740 ^e	- 761	1,980	2.62	3.02	121,900
February	2,660	+1,060	3,710	4.90	5.28	213,600
March	2,760	- 565	2,190	2.89	3.34	134,900
April	4,960	+1,980	6,950	9.16	10.22	413,300
May	2,290	- 81	2,210	2.92	3.36	136,000
June	1,930	-1,400	527	0.70	0.78	31,360
July	1,780	-1,690	86	0.11	0.13	5,290
August	1,820	-2,000	0	0	0	0
September	1,970	-1,960	12	0.02	0.02	714
The Year	2,800	- 277	2,540	3.36	45.67	1,846,000

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	2,020	1,710	6,660	2,520 ^e	2,030 ^e	2,370	3,930	1,380	2,370	589	1,360	2,020
2.....	2,950	2,380	6,180	2,390 ^e	2,320	2,490	4,210	2,560	2,260	1,540	2,010	1,980
3.....	2,080	2,480	6,060	2,790 ^e	1,830	2,460	2,260	2,900	2,450	1,260	1,930	2,000
4.....	1,280	2,340	6,040	4,080	2,080	2,400	2,990	3,170	2,220	1,450	2,090	1,290
5.....	2,110	2,260	5,850	4,000	2,480	2,350	4,000	2,470	1,220	2,070	2,000	667
6.....	2,140	2,220	4,520	4,170	2,440	1,050	4,600	2,370	1,820	1,900	1,840	1,510
7.....	2,030	2,280	5,580	3,830	1,590	2,030	5,040	2,120	2,430	1,850	1,190	1,960
8.....	2,510	1,410	6,260	2,390 ^e	1,920	2,100	7,360	1,170	2,330	1,980	1,280	1,940
9.....	2,440	2,340	6,520	1,600 ^e	2,470	2,380	7,830	3,260	2,080	2,000	2,040	2,370
10.....	2,420	2,440	6,020	1,920 ^e	2,470	2,350	8,260	2,280	2,080	1,120	1,980	2,010
11.....	1,600	2,430	6,130	2,660 ^e	2,520	2,270	9,920	2,490	2,280	1,470	2,030	2,030
12.....	2,210	2,430	5,760	3,540 ^e	2,820	2,200	10,100	2,280	1,160	2,100	2,010	2,250
13.....	2,320	2,620	5,500	3,160	2,660	1,560	10,000	2,250	1,670	1,910	1,880	2,400
14.....	2,210	2,550	6,410	2,700	2,070	2,390	9,840	3,090	2,110	2,080	898	2,100
15.....	2,180	1,800	6,830	2,500 ^e	4,460	3,520	9,060	1,500	2,140	2,160	1,760	2,310
16.....	2,130	4,090	6,380	2,100 ^e	4,120	3,730	9,650	2,220	2,050	2,020	2,020	2,080
17.....	2,050	4,360	6,330	1,500 ^e	3,880	3,700	3,540	2,350	2,010	1,230	2,090	2,400
18.....	1,270	3,780	6,380	2,700 ^e	3,000	3,480	4,250	2,630	1,950	1,770	2,140	1,150
19.....	2,180	3,210	5,710	3,370	3,190	3,810	3,210	2,420	1,010	2,190	2,170	2,090
20.....	2,140	3,250	4,370	2,520	3,490	2,130	3,140	2,290	1,570	2,000	2,070	2,270
21.....	2,090	3,220	5,700	2,450	1,920	3,680	2,920	2,450	1,760	1,840	1,090	1,890
22.....	2,120	1,860	4,510 ^e	2,210	2,510	3,680	2,870	1,120	2,050	1,960	1,710	2,030
23.....	2,130	2,850	4,350	2,170	2,910	3,800	2,980	1,890	1,950	2,040	2,050	2,100
24.....	2,110	3,100	4,070	1,170	2,600	3,560	1,690	2,380	1,980	1,300	2,020	2,130
25.....	1,550	3,640	4,210	2,070	2,730	3,480	2,440	2,590	2,030	1,420	2,140	1,840
26.....	4,400	4,200	4,430	2,950	2,340	3,440	2,750	2,610	1,270	2,190	2,100	2,040
27.....	3,620	3,980	4,030	3,790	3,690	2,230	2,350	2,600	1,610	2,320	2,280	2,160
28.....	3,380	5,210	3,780 ^e	3,730	1,950	2,860	2,440	2,560	1,960	2,000	687	1,980
29.....	2,680	5,580	3,700	3,550	2,610	2,500	2,270	1,150	2,030	2,000	1,760	2,020
30.....	2,480	6,880	4,390	3,400	-	2,800	2,960	2,130	1,950	1,920	2,160	2,150
31.....	2,390	-	3,670	1,130 ^e	-	2,730	-	2,390	-	1,380	1,710	-

The Year..... Discharge: Daily - Maximum 12 April, 10,100

- Minimum 1 July, 589

Instantaneous Maximum at noon, 11 April, 11,100

Mean 2,800; Per Square Mile 3.36

Runoff: Acre-feet 1,846,000; Depth in inches on drainage area 45.67

^e - Estimated 22 to 28 December and as indicated.

* - Storage in Lake Rossignol.

Location: Lat. 44° 52' 18", long. 63° 13' 18", Nova Scotia, at highway bridge, Crawford's Falls, approximately six miles from Musquodoboit Harbour. Drainage Area: 251 square miles. Gauge: Recording. Measurement of Discharge: From highway bridge and by wading at extreme low water. Period of Record: May 1915 to date. Average Discharge: (45 years) - 686 cfs. Extremes Recorded: Daily - Maximum, 9 January 1956, 11,300 cfs, Minimum, 22 July and 10 September 1942, 5.3 cfs; Instantaneous Maximum - at midnight, 9 January 1956, 11,800 cfs (estimated). Revisions: Revised monthly and annual discharges for water years 1914-15 to 1939-40 are included in a summary in W.R.P. 96. Details of these revisions may be obtained upon application to the District Engineer at Halifax, for address see page 11. Drainage area, W.R.P. 130. Remarks: Records excellent under open-water conditions; fair during periods of ice effect and estimated flows.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	2,440	218	3,810	161	631e	188e	776	977	190	367	208	116
2.....	2,270	197	3,640	152	392	367	1,090	796	182	319	208	125
3.....	1,870	183	2,820	147	418	772	1,480	740	494	277	260	175
4.....	1,390	183	1,940	147	667	1,090	2,650	697	1,660	245	224	187
5.....	995	190	1,780	148	889	973	4,870	621	1,890	222	183	229
6.....	721	185	2,320	148	825	863	6,600	545	1,480	197	156	233
7.....	533	339	2,840	147	744	1,200	6,510	491	876	271	143	183
8.....	423	1,360	2,770	146	564	1,580	5,200	454	580	721	136	146
9.....	350	1,790	2,360	141	418	1,200e	3,820	489	480	784	146	120
10.....	303	1,980	1,740	135	343	825	2,640	494	421	594	144	97
11.....	275	2,550	977b	131	392	744	1,810	434	415	431	137	86
12.....	256	2,860	653	125	367	705	1,290	384	408	362	138	99
13.....	295	2,650	474	122	343	675	991	350	350	330	137	161
14.....	273	2,110	426	121	343	705	821	377	515	402	130	175
15.....	250	1,440	402	119	299	667	705	690	1,430	946	114	147
16.....	214	991	385	119	216	667	604	740	1,680	955	104	126
17.....	170	744	367	859	188e	1,100	548	617	1,570	946	98	114
18.....	167	635	353	1,700	174	1,050	518	542	1,370	813	119	109
19.....	166	597	338	1,970	281	1,000	497	468	1,640	580	121	98
20.....	145	631	325	2,180	440	955	515	400	2,740	434	119	88
21.....	149	649	314	2,070	542	919	838	343	4,480	387	116	81
22.....	141	533	299	1,070	533e	1,200	1,220	328	6,030	561	111	75
23.....	129	451	279	1,870	474	1,410	995	497	5,600	614	124	69
24.....	124	387	256	2,030	405	1,380	859	536	4,200	465	121	67
25.....	124	413	229	1,520	348	1,330e	1,630	448	2,860	367	105	75
26.....	119	536	206	1,150	299	1,300	2,050	397	1,870	387	96	75
27.....	117	1,040	190b	784e	256	1,050	2,170	328	1,060	426	90	77
28.....	120	1,760	174	518	212	825	2,150	271	678	323	91	72
29.....	138	2,200	164	348	-	709	1,900	235	415	248	91	66
30.....	187	3,220	164	533	-	555	1,400	212	431	203	96	63
31.....	229	-	164	867	-	574	-	197	-	214	116	-
Mean	487	1,100	1,070	699	429e	922e	1,970	487	1,600	464	135	118
Per sq. mi.	1.94	4.39	4.26	2.79	1.71	3.67	7.86	1.94	6.37	1.85	0.54	0.47
Acre-feet	29,920	65,500	65,770	42,990	23,810	56,680	117,300	29,950	95,200	28,540	8,290	7,010

The Year.....Discharge: Daily - Maximum 6 April, 6,600
 - Minimum 30 September, 63
 Instantaneous Maximum 2 a.m., 7 April, 6,870
 Mean 789; Per Square Mile 3.14
 Runoff: Acre-feet 571,000; Depth in inches on drainage area 42.65

b - Ice conditions 11 to 27 December.

e - Estimated 27 January to 17 February, 22 February to 1 March and 9 to 25 March.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	<u>60</u>	2,720	<u>3,820</u>	231	252	<u>2,350</u>	2,070	367	105	<u>78</u>	<u>37.2</u>	15.4
2.....	71	2,240	3,420	207	230	1,780	3,220	330	103	72	34.7	15.0
3.....	91	2,060	2,630	262	214	1,100	3,730	306	101	67	34.1	13.9
4.....	120	1,870	1,790	1,250	207	796	3,670	279	101	64	32.9	12.9
5.....	110	1,530	1,170	<u>1,700</u>	<u>205</u>	671	3,620	256	102	59	30.7	12.2
6.....	97	1,230	876	1,550	205	577	4,250	230	105	54	30.7	11.5
7.....	87	1,000	1,210	1,090	690	512	5,240	207	105	49.7	29.6	10.2
8.....	156	1,300	2,000	621	1,700	468	<u>5,420</u>	183	102	48.1	28.5	9.6
9.....	235	1,760	2,260	515	2,110	343	4,470	183	93	45.0	30.1	9.0
10.....	485	1,750	2,120	423	2,210	<u>264</u>	3,430	222	83	42.0	29.0	8.7
11.....	395	1,510	1,680	339	2,100	360	2,620	247	79	39.2	28.5	8.7
12.....	339	1,270	1,250	343	1,910	413	2,110	224	84	37.3	29.0	<u>8.4</u>
13.....	756	1,030	2,170e	325	1,720	402	1,690	194	85	36.0	28.5	9.9
14.....	705	<u>829</u>	3,210	297	1,610	374	1,390	323	93	34.7	28.5	15.0
15.....	462	838	2,360	273	2,180	348	1,250	854	107	36.0	28.0	15.0
16.....	339	2,040	1,070	268	2,790	330	1,210	<u>871</u>	102	35.3	27.5	15.0
17.....	260	3,840	1,110	275	<u>3,060</u>	314	1,230	667	91	34.7	27.5	15.8
18.....	216	<u>4,800</u>	1,320e	275	2,970	350	1,240	533	85	33.6	24.4	23.9
19.....	190	4,590	1,200	258	2,540	554	1,320	423	83	<u>31.8</u>	23.4	27.4
20.....	174	3,670	863	250	2,050	709	1,400	348	76	51	22.9	24.9
21.....	164	2,560	614	239	1,690	740	1,310	288	77	53	22.5	26.9
22.....	158	1,610	440	245	1,460	709	1,080	243	75	47.4	22.0	24.4
23.....	150	1,010	395	237	1,210	631	880	216	69	47.4	21.0	22.9
24.....	140	829	367	235	950	558	812	190	<u>64</u>	48.9	20.5	24.9
25.....	135	1,390	334	224	796	527	724	175	77	48.9	19.1	32.9
26.....	986	2,640	297	218	713	533	642	166	88	48.9	17.8	<u>33.6</u>
27.....	3,060	3,260	273	212	1,590	539	554	159	107	48.9	16.6	30.7
28.....	4,770	3,150	258	203	2,370	515	494	149	<u>113</u>	45.8	17.4	28.0
29.....	<u>5,280</u>	3,150	251e	<u>201</u>	2,400	512	445	134	97	43.5	<u>16.2</u>	24.9
30.....	4,640	3,630	245e	222	-	561	<u>397</u>	121	85	41.2	17.0	23.9
31.....	3,670	-	<u>239</u>	239	-	928	-	<u>113</u>	-	39.9	16.2	-
Mean	919	2,170	1,330	427	1,520	638	2,060	297	91	47.2	25.5	18.5
Per sq.mi.	3.66	8.65	5.30	1.70	6.06	2.54	8.22	1.18	0.36	0.19	0.10	0.07
Acre-feet	56,530	129,100	81,800	26,240	87,530	39,210	122,800	18,250	5,430	2,900	1,570	1,100

The Year.....Discharge: Daily - Maximum 8 April, 5,420

- Minimum 12 September, 8.4

Instantaneous Maximum - 3 a.m., 8 April, 5,600

Mean 789; Per Square Mile 3.14

Runoff: Acre-feet 572,500; Depth in inches on drainage area 42.77

e - Estimated 13 to 18 December and as indicated.

Location: Lat. 44° 51' 06", long. 63° 39' 54", Nova Scotia, at outlet of Beaverbank Lake, one-half mile from Kinsac Station. Drainage Area: 37.4 square miles. Gauge: Recording. Measurement of Discharge: From cableway and by wading at low water. Period of Record: October 1921 to date. Average Discharge: (38 years) - 106 cfs. Extremes Recorded: Daily - Maximum, 10 January 1956, 2,240 cfs, Minimum, 29 August to 30 September 1960, Nil. Instantaneous Maximum - at noon, 10 January 1956, 2,490 cfs. Revisions: Revised monthly and annual discharges for water years 1921-22 to 1931-32 are included in a summary in W.R.P. 83. Details of these revisions may be obtained upon application to the District Engineer at Halifax, for address see page 11. Drainage area, W.R.P. 63 and 130. Remarks: Records excellent under open-water conditions; fair during periods of ice effect and estimated flows.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	427	44.1	478	20.0	101	27.4e	91	115	26.7e	54	56	53
2.....	337	38.9	332	19.4	75	63	123	99	21.5	45.0	63	60
3.....	275	35.5	243	19.4	75	123	230	88	27.4	38.9	55	61
4.....	212	39.8e	186	18.7	74	160	698	80	69	34.6	45.9	75
5.....	162	45.0	374	21.5	88	160	1,080	69	198	28.2	38.1	96
6.....	130	45.9	548	20.0	123	132	768	63	168	23.7	33.1	92
7.....	105	62	508	19.4	116	160	788	63	99	35.6	28.2	79
8.....	78	141	363	18.7	109	212	630	65	71	59	25.9	63
9.....	71	160	251	18.0	102	203e	422	68	58	63	24.4	50
10.....	62	372	180	17.4	88	168	313	63	55	56	24.4	43.2
11.....	53	683	135	16.7	75	116	252	58	53	50	26.7	37.2
12.....	48.5	529	105e	16.1	63	75	207	52	48.6e	48.6	29.0	38.9
13.....	42.2	354	89	15.4	53	58	174	47.7	48.6	45.0	29.0	36.4
14.....	37.2e	248	75	14.8	44.1	53	149	48.5	201	62	27.4	35.5
15.....	32.2	188	62	14.1	35.5	44.1	126	57	452	92	25.2	33.0
16.....	28.2	151	51	14.8	27.4	69	111	57	400	102	22.2	29.8
17.....	24.4	124	41.5	116	23.7	102	101	53	290	112	19.4	27.4
18.....	23.0	105	33.9	336	23.7e	109	92	47.7	288	101	17.4	23.7
19.....	21.5	94	39.8	364	41.5	63	91	42.4	471	82	16.7	20.7
20.....	20.0	85	44.1	277	63	69	94	38.9	1,010	65	14.2	19.3
21.....	18.7	78	44.1	198	78	95	140	34.7	1,010	61	15.5	18.0
22.....	17.4	69	43.2	199	75	160	154	35.5	621	68	18.7	15.4
23.....	16.1	61	39.8	349	73	168	137	41.5	411	64	16.7	14.1
24.....	15.5	57	35.5	353	65e	145	177	41.5	301	57	15.5	13.5
25.....	14.8	56	33.9	278e	61	123	216	41.5	221	51	14.2	14.8
26.....	13.5	54	30.6	205	53	95	199	39.8	166	45.0	15.5	13.5
27.....	12.4	149	28.2	153	42.4	88	207	35.5	128	39.8	14.8	13.0
28.....	27.4	212	26.7e	119	23.7	88	191	32.3	101	34.7	16.7	12.4
29.....	53	469	24.4	85	-	88	160	27.4	81	33.9	23.0	11.9
30.....	51	740	23.7	69	-	85	133	25.2	66	42.4	39.8	11.4
31.....	48.5	-	22.2	120	-	81e	-	25.9	-	49.4	49.4	-
Mean	80e	183	145e	113	67e	109e	275	53	239e	56	27.8	37.1
Per sq. mi.	2.14	4.89	3.87	3.02	1.79	2.92	7.36	1.43	6.38	1.50	0.74	0.99
Acre-feet	4,910	10,890	8,910	6,950	3,710	6,710	16,370	3,280	14,210	3,460	1,710	2,210

The Year.....Discharge: Daily - Maximum 5 April, 1,080
 - Minimum 30 September, 11.4
 Instantaneous Maximum 8 a.m., 26 November, 1,180
 Mean 115; Per Square Mile 3.08
 Runoff: Acre-feet 83,320; Depth in inches on drainage area 41.77

e - Estimated 14 October to 4 November, 12 to 28 December, 25 January to 18 February, 24 February to 1 March, 9 to 31 March and 1 to 12 June.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	<u>10.8</u>	257	557	36.4	36.4	<u>248</u>	331	69	21.5	<u>10.3</u>	<u>2.8</u>	Nil
2.....	18.7	292	360	34.6	<u>35.5</u>	188	548	62	20.0	9.4	2.5	"
3.....	25.9	268	256	46.2	40.8	149	496	58	20.0	8.6	2.5	"
4.....	27.4	212	193	202	45.0	124	427	51	22.2	8.3	2.5	"
5.....	28.2	173	154	<u>236</u>	45.0	106	637	45.9	<u>23.0</u>	7.9	2.3	"
6.....	27.4	148	131	201	42.4	91	<u>1,060</u>	42.4	21.5	7.9	2.3	"
7.....	26.7	132	213	154	119	81	878	36.4	20.0	7.5	2.3	"
8.....	42.4	176	414	119	291	73	580	32.1	17.4	7.1	2.2	"
9.....	61	212	380	98	363	69	429	34.7	14.1	6.8	2.2	"
10.....	75	203	287	78	324	62	373	46.8	13.0	6.4	2.2	"
11.....	78	177	214	62	263	65	349	63	12.6	5.7	2.2	"
12.....	83	145	164	50	236	64	300	67	16.8	5.3	2.2	"
13.....	98	119	381	45.9b	232	63	252	70	18.0	5.0	2.0	"
14.....	88	<u>102</u>	<u>751</u>	42.4b	226	62	230	148	16.1	5.0	1.5	"
15.....	76	116	516	38.1b	589	56	214	345	13.5	5.3	1.2	"
16.....	65	358	345	37.2	<u>643</u>	53	222	<u>347</u>	16.1	5.3	1.0	"
17.....	56	<u>1,070</u>	252	37.2	466	<u>48.5</u>	232	254	21.5	5.0	0.9	"
18.....	48.0	726	190	37.2	343	54	247	185	20.7	4.7	0.8	"
19.....	42.4	460	152	37.2	256	78	290	145	20.0	4.5	0.7	"
20.....	36.4	312	126	38.9	230	98	292	115	18.7	4.7	0.6	"
21.....	33.9	222	108	38.9	214	99	248	88	18.0	4.5	0.6	"
22.....	33.0	172	92	37.2	188	92	201	74	16.1	3.9	0.5	"
23.....	28.2	142	72	36.4	162	83	174	62	13.5	3.6	0.4	"
24.....	26.6	129	64	35.5	140	75	159	51	12.6	3.6	0.3	"
25.....	25.8	358	55	34.7	122	71	146	45.9	13.5	3.3	0.2	"
26.....	151	1,070	48.5	34.7	112	68	131	44.1	14.1	3.1	0.1	"
27.....	<u>735</u>	696	43.2	33.9	261	64	116	41.5	12.6	2.8	0.1	"
28.....	701	619	39.3	<u>33.1</u>	400	63	102	37.2	11.7	<u>2.5</u>	0.1	"
29.....	613	696	38.9	33.9	332	64	89	33.1	<u>10.3</u>	2.5	Nil	"
30.....	421	877	39.8	35.5	-	69	<u>79</u>	29.0	10.8	2.8	"	"
31.....	295	-	<u>38.1</u>	36.4	-	117	-	<u>25.2</u>	-	2.8	"	-
Mean	132	348	215	65	233	87	328	89	16.7	5.4	1.3	Nil
Per sq.mi.	3.52	9.30	5.76	1.74	6.23	2.33	8.76	2.37	0.45	0.14	0.03	Nil
Acre-feet	8,090	20,710	13,240	4,010	13,400	5,350	19,500	5,450	991	330	77	Nil

The Year.....Discharge: Daily - Maximum 17 and 26 November, 1,070
 - Minimum 29 August to 30 September, Nil
 Instantaneous Maximum - at noon, 6 April, 1,110
 Mean 126; Per Square Mile 3.36
 Runoff: Acre-feet 91,150; Depth in inches on drainage area 45.70

b - Ice conditions.

Location: Lat. 43° 50' 18", long. 65° 22' 12", Nova Scotia, at highway bridge, Lower Ohio, about six miles from Shelburne. Drainage Area: 191 square miles. Gauge: Chain, read daily. Measurement of Discharge: From bridge and by wading at extreme low water. Period of Record: August to December 1915, April to December 1916 and June 1917 to date. Average Discharge: (43 years) - 562 cfs. Extremes Recorded: Daily - Maximum, 8 April 1960, 5,210 cfs, Minimum, 9 to 19 September 1960, 7.2 cfs. Revisions: Revised monthly and annual discharges for water years 1915-16 to 1937-38 are included in a summary in W.R.P. 83. Details of these revisions may be obtained upon application to the District Engineer at Halifax, for address see page 11. Drainage area, W.R.P. 45, 73, 87 and 130. Remarks: Records good except those under ice conditions which are fair.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	973	302	1,410	360	1,330	434	666	566	123	1,080e	268	137
2.....	1,130	320	1,620	360	1,230	532	647	556	123	1,040	250e	140
3.....	1,120	360	1,610	347	910	601	703	522	201e	673	234	140
4.....	1,110	333	1,620	333	890e	711e	782	488	320	636	212	179
5.....	1,100	333	1,650	333	870	770	944	590	583	566	201	179
6.....	1,040	320	1,640	320	862	830e	1,120	409	692	515	179	201
7.....	952	360	1,550	320	830	1,110	1,360	360	673	549	159	212e
8.....	850	347	1,480	294	810e	1,180	1,470	347	654	515	140	223
9.....	750	403e	1,480	294	790	1,230	1,450	333	618	515	123	212
10.....	692	618	1,380	281	684	1,200	1,370	320	549	515	140e	201
11.....	601	822	1,280	281	647	1,080	1,320	294	482	498	159	201e
12.....	532	931	1,230	268	601	1,030	1,270	281	418	488e	140	256
13.....	482	973	1,210	268	566	1,080e	1,190	256	389	476	131	245
14.....	418	994	1,080	256	525	1,160	1,060	281	434e	731	123	245
15.....	389	973	1,040e	389b	498e	1,230	944	276	466	770	115	201
16.....	360	923	994	294	482b	1,280	858	268	532	973	113	212
17.....	333	870	890	498	466	1,280	798	268	731	1,020	108	201
18.....	315	782	750	790	434	1,230	750	268	1,160	994	108	201
19.....	281	673	673	870	636	1,130	700	256	1,380e	952	100	179
20.....	276	629	549	1,060	673	1,060	681e	245	1,590	870	93	179
21.....	256	583	515b	1,280e	636b	994	681	234	1,720	810	86	159
22.....	234	532	498	1,600	566b	1,060	661	234	1,810	731	86	150
23.....	223	505	482	1,990	532b	1,080	643	230	1,810	636	79e	149
24.....	219	498	466	2,240	498	1,140	625	201	1,670	583	79	140
25.....	212	476	450	2,590	601	1,160	556	190	1,530	498	79	123
26.....	212	466	434	2,450	583	1,080	539	159	1,410	434	79	115
27.....	223	573	434	2,380	532	1,020	573	150	1,230e	374	79	108
28.....	245	618	418	2,050	466	910	573	150	1,080	347	79	108
29.....	268	952	403	1,810	-	790	566	149	994	320	86	105
30.....	281	1,180e	389	1,510	-	711	566e	140	931	294	105	101e
31.....	294	-	374	1,430	-	692	-	132	-	268	108	-
Mean	528	622	968	953	684	993	869	295	877	635	130	173
Per sq. mi.	2.76	3.25	5.07	4.99	3.58	5.20	4.55	1.55	4.59	3.32	0.68	0.91
Acre-feet	32,470	36,990	59,500	58,600	37,980	61,080	51,700	18,160	52,170	39,020	8,020	10,320

The Year.....Discharge: - Daily - Maximum 25 January, 2,590
 - Minimum 24 to 28 August, 79
 Mean 644; Per Square Mile 3.37

Runoff: Acre-feet 466,000; Depth in inches on drainage area 45.75

b - Ice conditions 21 December to 15 January and as indicated.
 e - Estimated.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	93	2,310e	3,020	450	391	1,500	995e	389	450	123	53	11.0
2.....	476	2,110	3,240	466	422	1,420	1,540	374	389	115	53	11.0
3.....	566	1,930	3,020	601	490e	1,220	2,210	347	347	108	51	11.0
4.....	790	1,810	2,660	770	558e	1,080e	2,940	320	347e	105	47.6	9.6
5.....	910	1,700	2,240	830	626e	948	3,590	294	347	100	45.2	9.6
6.....	910	1,620	1,950e	952	696	806	3,880	281	333	93	45.5	9.6
7.....	952	1,530	1,670	994	734	746	4,400	268	294	86	42.3	8.6
8.....	1,030	1,430	1,530	1,060	622	769	5,210	245	294	83	42.3	8.6
9.....	1,080	1,280	1,380	870	535	639e	4,880	234	307	79	42.3	7.2
10.....	1,080	1,150	1,230	994	587	608	4,000	230	294	72	40.4	7.2
11.....	1,060	1,080	1,080	1,100	658	472	3,300	245	281	70	40.4	7.2
12.....	1,040	994	1,080	994	622	456	2,690	245	281	66	37.5	7.2
13.....	952	952	1,330	931	854	425e	2,110	230	268	63	35.6	7.2
14.....	870	870	1,510	750	1,210e	394	1,810	601	263	59	35.6	7.2
15.....	790	1,090e	1,590	566	1,560	352	1,530	750	252	100	32.8	7.2e
16.....	711	1,310e	1,840	515	1,690	334	1,380	910	252	98	32.8	7.2e
17.....	601	1,540	1,960	466	1,890	339	1,180	952	234	79	24.4	7.2
18.....	498	1,650	1,870	450	1,950	352	1,040	931	223	86	24.4	7.2
19.....	460	1,930	1,700	513e	2,070e	380	890	850	212	83	20.9	7.2
20.....	403	1,810	1,530	577	2,200	409	790	750	201	83e	17.5	10.9e
21.....	374	1,700	1,400	428	2,070	440	692	601	179	83	24.4	14.7
22.....	347	1,640	1,150e	383	1,950	425	692	532	169	79	24.4	16.4
23.....	320	1,540	910	369	1,890	425	636	466	149	76	24.4	14.7
24.....	294	1,560	994	342	1,720	409	601	931	149	72	23.0	14.7
25.....	702e	1,590	882e	328	1,560	409	601	830	149	72	20.9	14.7
26.....	1,110	1,650	770	323	1,580e	380	583	750	131	70	17.5	14.7
27.....	1,380	1,640	673	315	1,610	352	549	673	128	66	14.7	17.5
28.....	1,930	1,700	601	355	1,610	352	515	636	115	59	14.7	16.4
29.....	2,520	2,210e	583e	302	1,610	339	466	618	113	57	13.7	16.4
30.....	2,660	2,730	566	315	-	374	418	566	131	53	12.0	16.4
31.....	2,520	-	498	369	-	450	-	498	-	53e	12.0	-
Mean	949	1,600	1,500	603	1,240	578	1,870	534	243	80	31.2	10.9
Per sq.mi.	4.97	8.39	7.85	3.16	6.49	3.02	9.79	2.80	1.27	0.42	0.16	0.06
Acre-feet	58,370	95,320	92,150	37,050	71,340	35,510	111,300	32,820	14,440	4,940	1,920	646

The Year.....Discharge: Daily - Maximum 8 April, 5,210
 - Minimum 9 to 19 September, 7.2
 Mean 766; Per Square Mile 4.01
 Runoff: Acre-feet 555,800; Depth in inches on drainage area 54.56

e - Estimated.

Location: Lat. 45° 10' 24", long. 61° 58' 54", Nova Scotia, at highway bridge, Stillwater, about three miles from Sherbrooke. Drainage Area: 523 square miles. Gauge: Recording. Measurement of Discharge: From bridge and by wading at low water. Period of Record: July 1915 to date. Average Discharge: (45 years) - 1,480 cfs. Extremes Recorded: Daily - Maximum, 7 January 1956, 29,100 cfs (estimated), Minimum, 9 September 1942, 5.3 cfs. Revisions: Revised monthly and annual discharges for water years 1914-15 to 1925-26 are included in a summary in W.R.P. 63. Details of these revisions are available upon application to the District Engineer at Halifax, for address see page 11. Remarks: Records excellent under open-water conditions; fair during periods of ice effect and estimated flows.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	4,340	563	7,080	403	1,310b	468	1,310	1,570	399	747	399	670
2.....	3,190	512	4,300	383	1,070b	1,030	1,850	1,510	387	625	539	874
3.....	2,800	477	3,180	363	796b	2,070	2,930	1,480	896	544	472	1,130
4.....	2,190	485	2,250	363	741	2,070	8,510	1,440	3,410	481	356	980
5.....	1,690	507	4,120	359	1,440	2,030	15,600	1,310	2,690	379	302	1,230
6.....	1,370	489	5,910	345	1,740	1,740	12,700	1,200	1,790	349	276	1,090
7.....	1,130	879	5,770	338	1,540b	2,150	8,780	1,100	1,270	490	266	835
8.....	950	3,050	3,990	327	1,270b	2,590	6,870	1,020	1,110	2,490	289	645
9.....	862	3,220	2,390b	316	950b	2,360	4,440	1,170	1,050	1,800	334	512
10.....	851	3,300	1,710	306	736	1,970	3,480	1,300	1,080	1,190	835	415
11.....	791	6,030	1,350	299	630	1,550	2,910	1,200	1,660	835	908	349
12.....	685	4,810	1,150	295	572	1,240	2,380	1,080	1,460	730	763	725
13.....	675	3,270	1,040	292	516	1,270	2,010	1,000	1,120	675	611	1,180
14.....	705	2,390	998	282	456b	2,340	1,700	1,140	1,440	797	477	908
15.....	640	1,940	956	270b	464b	2,690	1,510	2,160	5,750	1,210	367	680
16.....	577	1,660	908	260	498b	2,710	1,350	1,970	5,750	998	331	611
17.....	521	1,400	862	950	485	3,050	1,270	1,580	3,610	851	423	640
18.....	498	1,230	818	2,860	460b	2,850	1,190	1,280	2,600	715	503	587
19.....	485	1,160	780	3,440	620	2,260	1,130	1,120	2,390	563	447	489
20.....	447	1,270	780	2,880	1,030	1,750	1,090	938	6,000	464	391	423
21.....	415	1,350	780	2,110	1,210b	1,560	1,660	824	10,500	460	363	375
22.....	403	1,190	780	1,740	1,270	1,650	2,070	830	6,520	630	498e	349
23.....	391	1,030	769	3,290	1,140	2,540	1,670	1,130	4,180	625	517e	320
24.....	363	908	736	3,760	908	2,630	1,440	1,080	3,160	468	435	363
25.....	345	968	685	2,890	791	2,160	1,750	902	2,320	399	367	563
26.....	327	1,120	640	2,240	700	1,750	2,280	796	1,760	427	338	568
27.....	309	2,990	596	1,670	606	1,520	2,370	675	1,390	435	327	447
28.....	327	4,810	553	1,350	516b	1,270	2,690	572	1,130	334	327	399
29.....	407	5,830	521	1,130	-	1,110	2,170	516	932	276	359	349
30.....	485	12,200	477	1,030	-	1,020	1,720	464	830	270	539	309
31.....	554	-	435	1,320	-	980	-	435	-	435	655	-
Mean	959	2,370	1,850	1,220	874	1,880	3,430	1,120	2,620	700	452	634
Per sq. mi.	1.83	4.53	3.54	2.33	1.67	3.60	6.55	2.15	5.01	1.34	0.86	1.21
Acre-feet	58,960	140,900	113,700	75,100	48,530	115,800	204,000	69,010	155,900	43,030	27,800	37,720

The Year.....Discharge: Daily - Maximum 5 April, 15,600
 - Minimum 16 January, 260
 Instantaneous Maximum 6 p.m., 5 April, 17,600
 Mean 1,510; Per Square Mile 2.88
 Runoff: Acre-feet 1,090,000; Depth in inches on drainage area 39.09

b - Ice conditions 9 December to 15 January, 21 to 28 February and as indicated.
 e - Estimated.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	292	3,280	5,300	625	456	<u>2,360</u>	2,950	<u>1,350</u>	254	247	89	15.7
2.....	317	4,310	3,510	508	443	1,850	5,340	1,260	266	<u>289</u>	74	14.5
3.....	391	3,670	2,620	675	415	1,560	5,280	1,220	286	276	65	13.8
4.....	419	2,760	2,160	<u>4,380e</u>	399	1,310	4,730	1,160	327	216	60	13.2
5.....	359	2,280	1,830	3,370e	383	1,200	6,650	1,050	286	192	54	11.9
6.....	313	2,100	1,560	2,310	<u>367b</u>	1,090	12,100	944	289	167	56	11.0
7.....	<u>286</u>	1,830	1,790	1,620b	932	956	<u>12,700</u>	840	299	144	63	10.5
8.....	443	2,760	3,720	1,220	3,340	879	<u>8,460</u>	736	273	130	55	9.6
9.....	1,110	3,690	3,750	980	3,950	758	5,800	725	231	115	117	9.1
10.....	1,010	3,140	2,780	780	3,350	<u>530</u>	4,620	835	190	102	<u>184</u>	8.7
11.....	813	3,030	2,190	725	2,740	769	4,110	862	<u>165</u>	89	162	8.2
12.....	700	2,690	1,680	675	2,340	868	3,370	741	244	81	157	<u>7.8</u>
13.....	926	2,250	2,960e	625	2,420	796	2,870	655	468	77	135	7.8
14.....	992	1,870	<u>8,970</u>	577	2,370	780e	2,920	660	477	<u>70</u>	108	49.5
15.....	796	1,840	6,990	539	5,090	736e	2,700	986	345	76	92	60
16.....	675	5,200	5,000	517b	<u>6,970</u>	700e	2,750	974	286	81	77	63
17.....	572	<u>13,900</u>	3,750	802	4,900	675	2,870	796	273	79	63	83
18.....	498	10,000	2,860	835	3,550	731	3,280	695	247	77	54	68
19.....	464	5,770	2,190e	758	2,540	1,010	5,380	611	241	77	45.8	58
20.....	443	3,840	1,730	705	2,220	1,190	6,120	544	244	91	39.7	48.3
21.....	423	2,760	1,290	675	2,200	1,180	4,340	472	260	100	36.1	96
22.....	423	2,160	1,040	645	1,890	1,080	3,230	395	241	90	42.1	176
23.....	395	1,810	1,010	615	1,590	962	2,590	345	204	91	42.1	<u>195</u>
24.....	359	<u>1,590</u>	920	572	1,390	819	2,240	316	176	100	35.1	162
25.....	331	2,510	818	521	1,270	890	1,960	299	554	157	27.7	130
26.....	835	5,340	796	494	1,140	920	1,800	299	<u>980</u>	152	23.3	104
27.....	<u>8,070</u>	4,910	780	464	2,560	920	1,640	299	725	130	20.0	89
28.....	7,850	3,340	700	431	4,210	908	1,510	276	456	104	19.1	76
29.....	7,540	4,420	615	<u>399</u>	3,200	840	1,490	244	316	90	18.3	67
30.....	4,830	6,790	<u>596</u>	456	-	819	<u>1,450</u>	207	250	91	17.0	62
31.....	3,340	-	665	477b	-	998	-	<u>187</u>	-	98	<u>16.4</u>	-
Mean	1,490	3,860	2,470	935	2,370	1,000	4,240	677	328	125	66	58
Per sq.mi.	2.85	7.38	4.72	1.79	4.52	1.92	8.11	1.29	0.63	0.24	0.13	0.11
Acre-feet	91,660	229,800	151,900	57,470	136,100	61,650	252,400	41,620	19,540	7,690	4,060	3,430

The Year.....Discharge: Daily - Maximum 17 November, 13,900
 - Minimum 12 and 13 September, 7.8
 Instantaneous Maximum - 2 p.m., 17 November, 15,700
 Mean 1,460; Per Square Mile 2.78
 Runoff: Acre-feet 1,057,000; Depth in inches on drainage area 37.90

b - Ice conditions 7 to 16 and 31 January to 6 February.
 e - Estimated 13 to 19 December and as indicated.

Location: Lat. 43° 55' 24", long. 65° 52' 12", Nova Scotia, at highway bridge between Springhaven and South Canaan, eighteen miles from Yarmouth. Drainage Area: 413 square miles. Gauge: Chain, read daily. Measurement of Discharge: From bridge. Period of Record: August 1929 to date. Average Discharge: (31 years) - 1,130 cfs. Extremes Recorded: Daily - Maximum, 8 April 1960, 12,800 cfs, Minimum, 19 August 1929, 11.0 cfs. Revisions: Revised monthly and annual discharges for water years 1928-29 to 1933-34 are included in W.R.P. 83. Details of these revisions may be obtained upon application to the District Engineer at Halifax for address see page 11. Drainage area, W.R.P. 130.

Remarks: Records good.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	1,640	611	3,120	611	1,600	978	1,050	1,190	411	1,480	644	265
2.....	1,910	625	3,800	611	1,400	1,010	1,010	1,180	399	1,360	597	306
3.....	2,050	673	3,530	597	1,340	1,080	1,020	1,140	519	1,340	553	312
4.....	2,170	698	2,880	588	1,230	1,210	1,210	1,120	783	1,270	532	306
5.....	2,120	698	2,650	566	1,210	1,440	1,730	1,080	899	1,180	498	399
6.....	1,960	734	2,620	553	1,250	1,560	2,310	1,020	1,120	1,090	470	458
7.....	1,690	805	2,670e	545	1,310	1,800	2,950	959	1,400	1,080	438	470
8.....	1,440	833	2,720	532	1,230	2,070	3,310	917	1,380	1,090	418	470
9.....	1,210	788	2,490	532	1,150	2,340	3,570	856	1,250	1,060	411	470
10.....	1,070	935	2,300	523	1,110	2,450	3,410	799	1,090	1,050	399	450
11.....	935	1,130	2,130	511	1,010	2,260	2,990	745	978	1,020	392	430
12.....	816	1,370	1,770	503	898	2,090	2,630	693	898	1,010	374	470
13.....	719	1,700	1,520	470	886	1,910	2,290	653	856	1,010	363	470
14.....	644	1,880	1,280	450	839	1,870	2,020	653	839	1,080	356	438
15.....	588	1,850	1,280	430	839	1,990	1,780	653	886	1,230	338	418
16.....	597	1,710	1,130	442	799	2,110	1,560	653	899	1,460	328	438
17.....	658	1,510	1,050	845	799	2,230	1,380	668	1,010	1,690	322	458
18.....	634	1,390	953	1,200	771	2,240	1,230	678	1,330	1,820	312	438
19.....	597	1,260	1,000	2,050	947	2,160	1,120	668	1,800	1,820	306	399
20.....	566	1,160	1,000	2,960	1,060	1,930	1,020	668	2,400	1,750	296	328
21.....	545	1,070	1,000	3,020	1,210	1,720	1,050	620	3,070	1,600	290	280
22.....	523	1,020	923	3,230	1,340	1,690	1,050	562	3,510	1,520	290	265
23.....	511	997	941	3,810	1,380	1,580	1,050	540	3,410	1,440	280	245
24.....	503	947	941	5,750	1,300	2,020	1,110	532	3,050	1,360	265	231
25.....	503	935	892	7,200	1,210	2,160	1,190	519	2,630	1,250	259	217
26.....	503	886	862	5,750	1,210	2,050	1,120	511	2,260	1,120	259	196
27.....	503	1,070	805	4,170	1,190	1,820	1,180	478	1,970	1,020	259	184
28.....	511	1,220	777	2,990	1,090	1,620	1,120	478	1,730	929	250	179
29.....	545	1,710	750	2,450	-	1,400	1,120	470	1,620	856	280	172
30.....	523	1,850	713	2,050	-	1,290	1,150	458	1,560	771	280	161
31.....	523	-	639	1,840	-	1,120	-	438	-	703	274	-
Mean	958	1,140	1,650	1,860	1,130	1,780	1,690	729	1,530	1,240	366	344
Per sq. mi.	2.32	2.75	3.99	4.51	2.73	4.31	4.09	1.77	3.71	3.00	0.88	0.83
Acre-feet	58,900	67,600	101,000	115,000	62,700	109,000	101,000	44,800	91,200	76,300	22,500	20,500

The Year.....Discharge: Daily - Maximum 25 January, 7,200

- Minimum 30 September, 161

Mean 1,200; Per Square Mile 2.91

Runoff: Acre-feet 871,000; Depth in inches on drainage area 39.52

e - Estimated.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	<u>150</u>	4,540	6,860	745	<u>450</u>	<u>2,670</u>	1,800	1,040	1,020	<u>381</u>	<u>161</u>	99
2.....	745	4,050	<u>7,410</u>	678	490	2,460	3,540	990	947	363	157	93
3.....	1,250	3,840	6,050	678	499	2,130	6,190	959	868	356	157	85
4.....	1,420	3,610	4,610	947	532	1,860	6,620	929	856	356	150	82
5.....	1,640	3,250	3,630	1,230	519	1,610	6,340	880	839	339	146	82
6.....	1,730	2,840	2,950	1,800	511	1,400	7,370	839	899	328	146	78
7.....	1,620	2,470	2,550	2,140	597	1,260	11,300	810	960	312	140	71
8.....	1,500	2,260	2,360	<u>2,310</u>	668	1,130	<u>12,800</u>	755	1,080	259	146	68
9.....	1,440	2,140	2,210	1,880	755	1,170	8,560	713	1,190	231	146	64
10.....	1,540	2,020	2,140	1,660	917	1,110	5,460	782	<u>1,230</u>	217	140	61
11.....	1,560	1,930	2,020	1,400	1,050	1,130	4,130	822	1,180	209	140	57
12.....	1,620	1,790	1,870	1,150	1,340	1,100	3,290	868	1,140	204	136	57
13.....	1,640	1,660	1,980	1,010	1,640	1,070	2,820	929	1,060	204	136	57
14.....	1,730	<u>1,500</u>	2,500	947	2,000	1,020	2,450	1,190	929	223	157	55
15.....	1,790	1,520	3,510	898	2,930	972	2,140	1,460	729	296	161	48.6
16.....	1,690	1,800	4,690	886	3,840	923	1,890	1,720	629	296	161	45.0
17.....	1,540	2,870	4,620	799	4,690	<u>880</u>	1,690	<u>1,840</u>	562	290	161	43.0
18.....	1,420	4,270	3,950	799	<u>4,850</u>	880	1,520	1,700	519	280	157	40.0
19.....	1,250	5,040	3,290	782	4,390	917	1,390	1,540	470	274	150	38.0
20.....	1,120	4,610	2,680	771	4,190	923	1,280	1,320	430	274	150	35.0
21.....	1,020	3,740	2,340	745	4,240	941	1,110	1,120	381	274	150	48.6
22.....	917	3,050	1,960	729	4,240	984	1,110	929	345	274	146	43.0
23.....	868	2,570	1,690	703	3,950	1,000	1,280	794	312	274	140	40.0
24.....	898	2,210	1,420	678	3,480	1,000	1,310	<u>703</u>	<u>290</u>	280	140	35.0
25.....	972	2,190	1,230	653	2,890	1,050	1,310	755	450	274	136	35.0
26.....	1,840	2,660	1,110	620	2,470	1,050	1,330	1,060	470	265	130	33.2
27.....	3,230	3,230	990	575	2,450	1,020	1,280	1,210	450	259	127	30.5
28.....	7,240	3,700	978	540	2,520	984	1,210	1,340	418	250	121	30.5
29.....	<u>8,430</u>	4,270	898	532	2,680	972	1,140	1,380	411	274	117	<u>28.7</u>
30.....	6,860	<u>5,170</u>	799	519	-	953	<u>1,110</u>	1,300	399	236	111	28.7
31.....	5,500	-	<u>755</u>	<u>458</u>	-	1,260	-	1,100	-	<u>179</u>	<u>102</u>	-
Mean	2,130	3,030	2,780	976	2,270	1,220	3,490	1,090	715	275	143	54
Per sq.mi.	5.17	7.33	6.72	2.36	5.49	2.95	8.46	2.64	1.73	0.67	0.35	0.13
Acre-feet	131,200	180,100	170,700	60,020	130,500	75,030	207,800	67,000	42,570	16,920	8,760	3,200

The Year.....Discharge: Daily - Maximum 8 April, 12,800
 - Minimum 29 and 30 September, 28.7
 Mean 1,510; Per Square Mile 3.65

Runoff: Acre-feet 1,094,000; Depth in inches on drainage area 49.66

Location: Lat. 46° 31' 23", long. 60° 25' 20", Nova Scotia, at Wreck Point. Drainage Area: 10.7 square miles.
Gauge: Chain, read daily. Measurement of Discharge: From bridge and by wading at low water. Period of Record:
 July 1956 to date. Extremes Recorded: Daily - Maximum, 25 April 1958, 462 cfs, Minimum, 9 August 1960, 0.4 cfs.
Revisions: Drainage area, W.R.P. 130. Remarks: Records good except those under ice conditions which are fair.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	89	92	119	12.3	27.1	48.2	14.8	90	19.2	10.9	4.5	38.4
2.....	57	90e	84	11.6	23.3	39.1	18.3	93	16.4	8.0	3.6	36.2
3.....	39.1	90	123	11.3	21.7	50	18.8	96	51	9.9	3.3	31.4
4.....	32.7	90	129	10.3	33.3	36.2	35.5	100	39.1	8.9	3.2	26.0
5.....	30.2e	88	214	10.2	44.4	28.3	296	105	35.5	8.0e	66	24.4
6.....	27.1	100	149	9.9	43.6	23.3	182	108	27.1	10.0e	87	22.2
7.....	26.0	117	112	9.2b	42.1	21.7	171	114	24.9	14.3	70	20.7
8.....	24.4	160	95	9.2b	39.1	20.7	186	115	26.0	17.3	61	18.8
9.....	22.2	153e	79	9.2	36.2	19.2	119	130	28.3	16.6	54	16.4
10.....	21.7	147	73	8.9	33.3	18.3	107	132	30.2	15.6	69	14.7
11.....	20.2	283	70	8.0	30.8	17.8	100	135	33.3	13.1	73	13.1
12.....	19.3e	160	66	7.4	28.3	17.8	82	135	37.0	10.2	70	28.3
13.....	19.7	128	64	7.1	24.9	16.4	60	149	35.5	8.0	64	27.1
14.....	21.7	97	57	6.8	22.8b	16.0	43.6	165	33.3	7.4	58	26.0
15.....	22.8	78	49.1	6.5	21.7	16.0	40.6	146	430	7.1	42.1	24.9
16.....	24.9	72e	35.5	6.5	16.8	26.0	38.4	122	394	6.8	34.0	22.8
17.....	27.7	67	27.1	13.9	16.8	30.8	34.8	116	192	6.0	26.0	28.3
18.....	30.8	54	19.7	36.2	12.7	28.3	32.1	106	125	5.4	23.9	33.3
19.....	31.4e	45.9	18.8	29.0	42.1	26.0	30.8	97	115	5.2	29.0	27.1
20.....	32.7	41.4	17.8	23.3	39.1	26.0	29.0	88	97	5.4	32.7	21.7
21.....	41.4	36.2	17.8	27.1b	33.3	24.9	32.7	83	92	5.4	29.6	17.3
22.....	36.2	30.8	16.4	30.2	29.0	22.8	37.7	79	84	5.2	35.5	16.0
23.....	29.0	28.3e	15.2	33.3	20.7	23.3	44.4	83	63	5.2	40.6	12.7
24.....	22.2	26.0	15.2	29.6	10.9	24.4	50	79	51	7.1	36.9	15.2
25.....	18.8	23.3	14.7	24.4	9.9	27.7	65	75	43.6	6.5	33.3	12.7
26.....	16.2e	35.5	14.8	22.2	9.9	27.1	87	63	32.7	5.8	29.6	12.0
27.....	14.8	104	14.3	20.7	9.2	24.4	100	54	27.1	5.4	27.1	11.3
28.....	32.7	102	13.9	20.2	57	21.7	114	45.2	23.3	4.5	32.7	10.6
29.....	49.1	411	13.5	27.1	-	18.8	115	36.2	20.2	4.1	33.3	9.9
30.....	78	205	12.7	35.5	-	16.4	97	28.3	14.3	3.6	36.2	9.5
31.....	88	-	12.0	30.2	-	15.2	-	23.9	-	3.5	40.6	-
Mean	33.8	105	57	17.7	27.9	24.9	79	97	75	8.1	40.3	21.0
Per sq. mi.	3.16	9.83	5.31	1.65	2.60	2.33	7.42	9.02	6.98	0.76	3.77	1.96
Acre-feet	2,080	6,260	3,500	1,090	1,550	1,530	4,730	5,930	4,440	497	2,480	1,250

The Year.....Discharge: Daily - Maximum 15 June, 430

- Minimum 4 August, 3.2

Mean 48.8; Per Square Mile 4.56

Runoff: Acre-feet 35,320; Depth in inches on drainage area 61.90

b - Ice conditions 21 January to 14 February and as indicated.

e - Estimated.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	<u>8.9</u>	97	87	25.5e	12.7	<u>30.8</u>	<u>16.4</u>	133	<u>25.5</u>	<u>14.3</u>	1.6	<u>2.2</u>
2.....	12.7	89	79	25.5e	12.0	27.1	17.3	135	24.4	13.1	1.4	2.4
3.....	12.0	77	65	34.8	10.9	26.0	26.6	147	23.3	12.0	1.1	4.0
4.....	12.0	54	59	66	9.9	24.4	63	162	22.2	11.3	0.8	4.1
5.....	11.3	50	54	<u>75</u>	<u>9.2b</u>	23.9	147	177	21.2	10.6	0.7	4.1
6.....	10.9	47.4	52	48.2	13.5	22.8	<u>226</u>	194	20.2	10.6	0.7	4.1
7.....	10.3	52	92	46.7	22.8	21.2b	197	205	18.8	8.6	0.6	4.0
8.....	36.2	64	<u>133</u>	40.6	46.7	20.7	135	219	17.8	7.7	0.6	5.4
9.....	27.1	151	103	39.1	50	19.7	99	245	16.8	8.0	<u>0.4</u>	5.6
10.....	22.8	64	77	36.9	48.2	19.3	78	240	15.6	7.4	0.6	5.6
11.....	19.7	56	65	34.0	46.7	19.2	68	<u>304</u>	13.9	7.1	0.7	5.1
12.....	20.7	46.7	64	30.8	45.2	18.8	62	296	16.0	8.0	0.8	4.9
13.....	22.8	40.6	79	26.6	64	18.8	61	261	15.2	7.1	0.8	4.9
14.....	22.8	35.5	73	23.9	115	18.3	63	223	14.3	6.5	1.2	14.8
15.....	20.7	<u>31.4</u>	65	21.7	<u>149</u>	18.3	68	212	13.1	6.0	1.1	<u>21.7</u>
16.....	19.2	39.9	57	19.7	100	17.8	78	177	12.3	5.6	1.0	20.7
17.....	17.8	164	53	19.7	76	17.3	85	146	11.6	4.9	1.0	19.7
18.....	16.8	<u>173</u>	49.1	18.8	65	16.8	95	115	<u>10.6</u>	4.5	0.8	17.8
19.....	27.1	133	46.7	19.7	63	16.8	118	112	17.8	4.1	0.8	16.0
20.....	24.9	106	46.7	20.7	57	16.4	135	103	19.2	5.4	0.7	12.7
21.....	23.9	69	43.6	21.7	53	16.0	162	97	17.8	5.1	0.9	15.2
22.....	23.9	53	36.9	23.9	49.1	15.6	129	93	16.8	4.5	0.9	14.3
23.....	23.3	44.4	29.6	24.9	45.9	15.2	164	84	16.0	4.1	0.9	12.7
24.....	22.8	36.2	25.5	23.9	38.4	14.8	160	77	15.2	4.0	0.8	12.0
25.....	21.7	106	24.4	21.7b	36.9	14.8b	156	72	14.3	4.0	0.8	11.3
26.....	21.7	115	<u>22.8</u>	20.2	35.5	14.7	153	62	12.7	4.0	0.8	10.9
27.....	64	111	32.1	18.3	34.0	14.7	147	42.9	12.0	3.8	0.7	9.9
28.....	<u>90</u>	127	32.1	16.8	33.3	14.7b	137	34.8	19.7	3.8	0.7	8.9
29.....	88	113	30.8	15.6	32.1	14.3	130	31.4	17.8	2.6	0.7	7.7
30.....	83	97	27.7	14.7	-	<u>13.9</u>	129	30.2	15.2	2.3	1.7	8.3
31.....	77	-	26.6	<u>13.5</u>	-	13.9	-	<u>27.7</u>	-	<u>1.7</u>	<u>2.1</u>	-
Mean	29.5	81	56	28.7	47.4	18.6	110	144	16.9	6.5	0.9	9.7
Per sq.mi.	2.76	7.61	5.22	2.68	4.43	1.74	10.30	13.44	1.58	0.61	0.09	0.91
Acre-feet	1,820	4,850	3,430	1,760	2,730	1,140	6,560	8,840	1,010	402	57	577

The Year.....Discharge: Daily - Maximum 11 May 304

- Minimum 9 August, 0.4

Mean 45.7; Per Square Mile 4.27

Runoff: Acre-feet 33,170; Depth in inches on drainage area 58.13

b - Ice conditions 25 January to 5 February, 7 to 25 March and as indicated.

e - Estimated.

Location: Lat. 54° 27' 18", long. 66° 37' 30", Newfoundland, at the Menihek Rapids generating station of the Iron Ore Company of Canada. Drainage Area: 7,400 square miles. Gauge: Power-plant records. Measurement of Discharge: From sluice-gate ratings and manufacturer's turbine ratings. Period of Record: Intermittent staff readings June 1952 to July 1954; thereafter power-plant records August 1954 to date. Average Discharge: (6 years) - 14,300 cfs. Revisions: Drainage area, W.R.P. 123. Remarks: Records supplied by Iron Ore Company of Canada.

Monthly Summary of Storage, Outflow and Runoff for Water Years 1958-59 and 1959-60

Month	Storage Level at End of Monthly Period	Volume of Live Storage	Storage Change + or -		Effect of Change in Upstream Storage	Recorded Outflow	Monthly Runoff		
				Equiva- lent in			Mean	Per Square Mile	Depth in
	Feet	Acre-feet	Acre-feet	cfs	cfs	cfs	cfs	cfs	Inches
1958-59									
(Sept.)	1,475.3	698,800	-	-	-	-	-	-	-
October	1,475.2	692,000	- 6,800	- 111	-	13,500	13,400	1.80	2.08
November	1,475.0	678,400	- 13,600	- 229	-	8,610	8,380	1.13	1.26
December	1,475.2	692,000	+ 13,600	+ 221	-	5,320	5,540	0.75	0.86
January	1,475.3	698,800	+ 6,800	+ 111	-	4,290	4,400	0.59	0.69
February	1,474.8	664,800	- 34,000	- 612	-	4,230	3,620	0.49	0.51
March	1,473.7	590,200	- 74,600	-1,210	-	4,320	3,110	0.42	0.48
April	1,472.9	535,900	- 54,300	- 913	-	4,090	3,180	0.43	0.48
May	1,475.0	678,400	+142,500	+2,320	-	32,000	34,300	4.63	5.34
June	1,474.9	671,600	- 6,800	- 114	-	39,400	39,300	5.31	5.92
July	1,475.1	685,200	+ 13,600	+ 221	-	23,100	23,300	3.15	3.63
August	1,475.2	692,000	+ 6,800	+ 111	-	16,200	16,300	2.21	2.54
September	1,475.2	692,000	0	0	-	9,510	9,510	1.29	1.44
The Year	-	-	-	-	-	-	13,800	1.86	25.24
1959-60									
October	1,475.4	705,500	+ 13,500	+ 220	-	15,600	15,800	2.14	2.47
November	1,475.5	712,300	+ 6,800	+ 114	-	16,000	16,100	2.18	2.43
December	1,475.5	712,300	0	0	-	9,220	9,220	1.25	1.44
January	1,475.5	712,300	0	0	-	5,520	5,520	0.75	0.86
February	1,475.4	705,500	- 6,800	- 118	-	4,610	4,490	0.61	0.65
March	1,474.6	651,300	- 54,200	- 881	-	4,550	3,670	0.50	0.57
April	1,472.9	535,900	-115,400	-1,940	-	5,400	3,460	0.47	0.52
May	1,474.8	664,800	+128,900	+2,100	-	28,000	30,100	4.06	4.68
June	1,475.1	685,200	+ 20,400	+ 343	-	30,900	31,300	4.23	4.72
July	1,475.1	685,200	0	0	-	17,700	17,700	2.39	2.76
August	1,474.9	671,600	- 13,600	- 221	-	21,800	21,600	2.92	3.37
September	1,475.0	678,400	+ 6,800	+ 114	-	24,900	25,000	3.38	3.77
The Year	-	-	-	-	-	-	15,400	2.07	28.24

Location: Lat. 47° 44' 48", long. 55° 26' 30", Newfoundland, approximately two and one-half miles from Bay Du Nord.
Drainage Area: 454 square miles. Gauge: Recording: Measurement of Discharge: From cableway. Period of Record: October 1950 to date. Weekly chain-gauge readings were made during the periods October 1950 to September 1951 and November 1951 to September 1952 when recorder was not operating. Average Discharge: (9 years) - 1,370 cfs. Extremes Recorded: Daily - Maximum, 6 August 1951, 6,020 cfs, Minimum, 10 and 12 September 1960, 140 cfs; Instantaneous Maximum - 2 a.m., 22 December 1954, 6,960 cfs. Revisions: Drainage area; W.R.P. 120 and 130. Remarks: Records excellent under open-water conditions; fair during periods of ice effect and estimated flows.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	1,510	1,150	2,940	920	1,560	1,900	1,350	2,910	936	492	275	470
2.....	1,530	1,170	2,780	960	1,450	2,010	1,530	2,830	904	465	311	574
3.....	1,560	1,160	2,780	1,000	1,350	2,240	1,730 ^e	2,780	912	476	295	562
4.....	1,540	1,150	2,740	1,040 ^b	1,400	2,050	2,060	2,720	1,180	465	279	492
5.....	1,530	1,140	2,870	1,060	1,990	2,010	2,640	2,700	1,010	448	275	595
6.....	1,470	1,110	3,340	1,020	1,880	1,920	2,680	2,600	920	437	283	568
7.....	1,390	1,080	3,450	1,000	1,590	1,820	2,240	2,500	880	415	279	503
8.....	1,330	1,170	2,960	976	1,290	1,720	2,100	2,480	840	459	311	465
9.....	1,280	1,240	2,770	952	1,170 ^b	1,630	1,990	2,450	833	625	735	448
10.....	1,230	1,440	2,640	936	1,080	1,580	2,220	2,350	798	562	620	432
11.....	1,170	4,200	2,360	888	1,040	1,490	2,340	2,180	848	509	470	410
12.....	1,150	2,670	2,270	856	1,000	1,550	2,340	2,130	904	470	410	410
13.....	1,100	2,210	2,240	805	960	1,560	2,240	2,050	840	465	370	454
14.....	1,060	2,180	2,060	756	920	1,810	2,170	1,990	798	459	360	465
15.....	1,000	2,160	1,900	742	880	1,590	2,150	1,950	770	437	333	421
16.....	952	2,100	1,850	714	880	1,500	2,020	1,880	770	415	319	415
17.....	920	1,970	1,810	721	960	1,770	2,020	1,810	749	410	315	421
18.....	920	1,880	1,650	1,430	1,440	1,600	2,120	1,710	714	395	315	415
19.....	920	1,770	1,540	1,420	1,890 ^b	1,510	2,220	1,630	693	375	360	405
20.....	904	1,840	1,460	1,150	3,030	1,410	2,270	1,590	693	365	324	395
21.....	920	1,840	1,390 ^b	1,020	2,690	1,360	2,540	1,530	679	365	315	385
22.....	848	1,760	1,300	976	2,400 ^b	1,420	2,740	1,460	637	360	307	410
23.....	819	1,730	1,210	1,210	2,220	2,240	2,590	1,400	625	346	307	481
24.....	777	1,610	1,120	1,390	2,100	1,950	2,850	1,330	610	324	295	487
25.....	742	1,590	1,080	1,210	1,990	1,620 ^e	2,860	1,280	590	319	287	625
26.....	700	1,560	1,040	1,120 ^b	1,940	1,440	2,930	1,210	574	328	275	610
27.....	686	2,040	1,000	1,040 ^b	1,890	1,300	3,040	1,160	544	315	271	532
28.....	651	2,740	960	1,000 ^b	1,840 ^b	1,210	2,990	1,080	538	311	295	509
29.....	912	2,160	920	960 ^b	-	1,170	2,990	1,020	520	307	459	492
30.....	1,460	3,970	880	1,210 ^b	-	1,120	2,950	976	503	295	605	487
31.....	1,260	-	840	1,620	-	1,210	-	984	-	283	538	-
Mean	1,100	1,860	1,940	1,030	1,600	1,640	2,360	1,890	760	410	361	478
Per sq. mi.	2.43	4.10	4.27	2.28	3.53	3.60	5.21	4.17	1.67	0.90	0.79	1.05
Acre-feet	67,920	110,600	119,300	63,670	88,920	100,600	140,600	116,400	45,250	25,180	22,200	28,440

The Year.....Discharge: Daily - Maximum 11 November, 4,200

- Minimum 27 August, 271

Instantaneous Maximum 12:30 p.m., 11 November, 4,900

Mean 1,280; Per Square Mile 2.83

Runoff: Acre-feet 929,100; Depth in inches on drainage area 38.37

b - Ice conditions 21 December to 4 January, 9 to 19, 22 to 28 February and as indicated.

e - Estimated 25 March to 3 April.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	470	<u>1,120</u>	2,940	1,120	605	<u>1,300</u>	<u>763</u>	1,980	920	<u>735</u>	385	187
2.....	492	1,730	2,740	1,140	630b	1,300	805	1,990	880	728	365	191
3.....	492	2,280	2,650	1,040	686	1,280	784	<u>2,060</u>	840	700	355	177
4.....	487	2,580	2,540	<u>1,730</u>	600	1,220	805	2,050	819	672	360	170
5.....	487	2,770e	2,390	1,440	562	1,210	1,020	2,020	777	665	351	170
6.....	470	2,700	2,230	1,270	550	1,160	<u>2,050</u>	1,990	819	644	337	170
7.....	465	2,680	2,140	1,180	<u>544</u>	1,110	1,750	1,990	1,090	625	346	164
8.....	459	2,680	2,160	1,130	1,010	1,050	1,380	1,980	904	605	324	149
9.....	459	2,810	2,210	1,120	1,000	1,020	1,380	1,970	805	580	351	146
10.....	443	2,760	2,050	1,080e	826	1,030	1,510	1,980	770	562	<u>410</u>	<u>140</u>
11.....	<u>437</u>	2,900	1,930	1,060	742	1,030	1,610	1,970	721	526	380	146
12.....	437	2,740	1,770	1,040	728	1,030	1,630	1,900	700	514	351	140
13.....	620	2,520	1,880	1,000	904	992	1,690	1,860	700	509	337	226
14.....	580	2,390	<u>3,160</u>	976e	1,100	968	1,730	1,800	672	492	319	<u>432</u>
15.....	520	2,300	2,570	952	1,960	928	1,660	1,760	630	487	315	365
16.....	503	2,300	2,410	896	<u>2,540</u>	920	1,570	1,780	605	465	315	271
17.....	476	2,420	2,700	880	1,600	888	1,500	1,760	590	454	303	219
18.....	590	2,640	2,410	864	1,560	840	1,480	1,720	<u>580</u>	443	287	198
19.....	1,080	2,850	2,260	848	1,570	880	1,660	1,650	763	421	279	184
20.....	791	2,510	2,170	840	1,570	872	1,810	1,580	880	405	271	170
21.....	707	2,340	1,990b	856	1,570	812	1,690	1,580	728	405	268	184
22.....	700	2,200	1,940	812	1,570	805	1,590	1,500	651	395	264	271
23.....	658	2,080	1,890	805	1,610	784	1,580	1,400	625	<u>370</u>	254	254
24.....	630	1,950	1,840	763	1,590	770b	1,570	1,370	600	503	247	233
25.....	625	2,130	1,780	742	1,540	784	1,580	1,300	610	620	243	212
26.....	620	2,400	1,840b	735	1,480	848	1,580	1,230	<u>1,550</u>	615	240	205
27.....	644	2,270	1,890	728	1,400	805	1,590	1,210	1,000	520	222	205
28.....	1,200	2,120	1,700	700b	1,400	735b	1,730	1,150	833	465	215	201
29.....	<u>1,730</u>	2,760	1,440b	679	1,350	700b	1,890	1,080	770	421	205	201
30.....	1,170e	<u>3,340</u>	1,350b	658	-	<u>665b</u>	1,910	1,020	756	405	205	205
31.....	1,000	-	<u>1,170b</u>	<u>630</u>	-	735	-	<u>976</u>	-	395	<u>198</u>	-
Mean	659	2,440	2,130	958	1,200	951	1,510	1,660	786	527	300	206
Per sq.mi.	1.45	5.38	4.70	2.11	2.64	2.09	3.33	3.67	1.73	1.16	0.66	0.45
Acre-feet	40,550	145,300	131,200	58,940	69,020	58,460	89,840	102,400	46,780	32,420	18,450	12,270

The Year.....Discharge: Daily - Maximum 30 November, 3,340
 - Minimum 10 and 12 September, 140
 Instantaneous Maximum 9 p.m., 15 February, 3,910
 Mean 1.110; Per Square Mile 2.44
 Runoff: Acre-feet 805,600; Depth in inches on drainage area 33.27

b - Ice conditions 21 to 26 December, 28 January to 2 February and as indicated.
 e - Estimated 30 October to 5 November and 10 to 14 January.

BEAVER BROOK NEAR RODDICKTON - STATION No. 2YD₁

Location: Lat. 50° 54' 51", long. 56° 09' 26", Newfoundland, about six miles from village of Roddickton. Drainage Area: 92 square miles. Gauge: Recording. Measurement of Discharge: From cableway. Period of Record: August 1959 to date. Extremes Recorded: Daily - Maximum, 30 May 1960, 3,000 cfs, Minimum, 23 August, 1960, 10.6 cfs; Instantaneous Maximum - 8 a.m., 30 May 1960, 3,220 cfs. Remarks: Records excellent under open-water conditions; fair during periods of ice effect and estimated flows.

Daily Discharge in Cubic Feet per Second for Year 1959

Day	Aug.	Sept.	Day	Aug.	Sept.	Day	Aug.	Sept.
1.	41.1	75	11.	86	88	21.	83	53
2.	74	138	12.	88	83	22.	86	54
3.	71	158	13.	90	77	23.	100	58
4.	63	161	14.	106	83	24.	100	56
5.	59	163	15.	106	85	25.	92	65
6.	56	158	16.	104	75	26.	86	140
7.	56	140	17.	99	68	27.	83	158e
8.	56	127	18.	95	65	28.	81	171e
9.	72	113	19.	92	60	29.	78	158e
10.	90	100	20.	90	58	30.	78	145e
						31.	78	-
Mean							82	104
Per sq.mi.							0.89	1.13
Acre-feet							5,040	6,210

The Period..... Discharge: Daily - Maximum, 28 September, 171e
(61 days) Minimum, 1 August, 41.1

Mean 93; Per Square Mile 1.01

Runoff: Acre-feet 11,250; Depth in inches on drainage area 2.29

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	133e	182	385	47.0	47.0	131	33.0	455	1,710	100	23.0	17.0
2.....	127	215	352	42.0	52	127	29.5	480	1,320	95	22.4	16.5
3.....	123	229	301	47.0	64	125	33.0	480	1,390	83	23.0	15.5
4.....	119	203	260	58	71	125	37.5	480	1,470	77	23.0	14.6
5.....	113	177	218	64	58	115	42.0b	480	1,560	71	23.0	15.0
6.....	113	166	203	52	47.0	109	52	532	1,670	67	20.0	20.0
7.....	108e	169	194	42.0	42.0	99	63	598	1,670	62	20.0	25.4
8.....	102	153	239	37.5	52	93	64	658	1,450	57	18.5	23.0
9.....	95	143	329	33.0	64	93	59	714	1,140	56	20.6	24.2
10.....	95	138	321	29.5	71	90	59	791	848	54	22.4	30.9
11.....	125	129	278	26.0	78b	80	57	856e	670	50	19.0	35.7
12.....	133	121	239	52	86	78b	54	928	568	46.0	17.0	37.5
13.....	188	117	215	64	99	74	54	1,010	510	45.0	16.5	39.3
14.....	229	109	232	78	123	71	53	1,070	485	42.0	15.5	41.1
15.....	246	104	218	86	129	71	51	1,150	480	37.5	15.0	44.0
16.....	250	99	197	95	174	67	52	1,230	415	34.8	14.6	44.0
17.....	239	88	194	104	239	64	49.0	1,320	343	31.6	13.0	42.0
18.....	222	100	169	113	250	64	50	1,410	301	31.6	12.2	41.1
19.....	250	97	133b	123	246	71	56	1,510	281	29.5	12.6	41.1
20.....	243	72	123	133	222	78b	77	1,620	260	27.4	12.6	41.1
21.....	212	74	113	145	185	83	81	1,700	239	28.8	11.8	41.1
22.....	180	85	104	133	185	78	83	1,800	212	26.7	11.0	41.1
23.....	166	86	95	127	182	75	86	1,910	188	26.0	10.6	40.2
24.....	155	85	86	123	169	75	92	2,020e	163	26.0	12.6	40.2
25.....	138	92	78	113	153	70	95	2,150	140	28.1	15.0	40.2
26.....	127	123	78	104	148	63	92	2,280	138	30.9	16.5	38.4
27.....	121	113	74	95	135	58b	88	2,040	138	27.4	16.5	38.4
28.....	119	129	71	86	129	52	119	1,870	123	26.7	15.5	38.4
29.....	206	215	64	78	131	47.0	225	2,270	117	23.6	14.2	35.7
30.....	215	352	58	71	-	42.0	343	3,000	104	24.2	16.0	34.8
31.....	194	-	52	58	-	37.5	-	2,550	-	23.0	18.0	-
Mean	164	139	183	79	125	81	78	1,330e	670	44.8	16.8	33.2
Per sq.mi.	1.78	1.51	1.99	0.86	1.36	0.88	0.84	14.50	7.28	0.49	0.18	0.36
Acre-feet	10,090	8,260	11,250	4,880	7,200	4,970	4,620	82,050	39,880	2,750	1,030	1,980

The Year..... Discharge: Daily - Maximum, 30 May, 3,000

- Minimum, 23 August, 10.6

Instantaneous Maximum, 8 a.m., 30 May, 3,220

Mean 246; Per Square Mile 2.68

Runoff: Acre-feet 179,000; Depth in inches on drainage area 36.47

b - Ice conditions 19 December to 11 February, 12 to 20 and 27 March to 5 April.

e - Estimated 1 to 7 October, 11 to 24 May and as indicated.

Location: Lat. 48° 55' 50", long. 55° 40' 07", Newfoundland, at Grand Falls power house of the Anglo-Newfoundland Development Company Limited. Drainage Area: 3,650 square miles. Period of Record: January 1914 to December 1922, January 1928 to July 1934, September 1938 to date. Average Discharge: (37 years) - 7,700 cfs. Revisions: Drainage area, W.R.P. 120 and 130. Remarks: Records supplied by Anglo-Newfoundland Development Company Limited.

Monthly Summary of Storage, Outflow and Runoff for Water Years 1958-59 and 1959-60

Month	Storage Level at End of Monthly Period	Volume of Live Storage	Storage Change + or -		Effect of Change in Upstream Storage	Recorded Outflow	Monthly Runoff		
				Equiva- lent in			Mean	Per Square Mile	Depth in
	Feet	Acre-feet	Acre-feet	cfs	cfs	cfs	cfs	cfs	Inches
1958-59									
(Sept.)	499.63	816,000	-	-	-	-	-	-	-
October	498.15	749,100	- 66,900	-1,090	-	8,650	7,560	2.07	2.39
November	500.40	850,900	+101,800	+1,710	-	11,100	12,800	3.51	3.91
December	494.75	596,900	-254,000	-4,130	-	9,320	5,190	1.42	1.64
January	489.86	381,200	-215,700	-3,500	-	5,220	1,710	0.47	0.54
February	486.25	224,300	-156,900	-2,830	-	3,180	350	0.10	0.10
March	480.85	0	-224,300	-3,650	-	3,670	20	0.00	0.01
April	487.00	256,700	+256,700	+4,320	-	8,700	13,000	3.56	3.97
May	499.45	807,800	+551,100	+8,960	-	7,110	16,100	4.41	5.08
June	500.38	850,000	+ 42,200	+ 708	-	5,730	6,440	1.76	1.97
July	497.50	719,900	-130,100	-2,110	-	5,360	3,250	0.89	1.03
August	494.35	579,100	-140,800	-2,290	-	5,400	3,110	0.85	0.98
September	491.42	449,600	-129,500	-2,180	-	6,010	3,830	1.05	1.17
The Year	-	-	-	-	-	-	6,130	1.68	22.79
1959-60									
October	489.40	361,100	- 88,500	-1,440	-	5,200	3,760	1.03	1.19
November	496.90	692,900	+331,800	+5,580	-	6,010	11,600	3.18	3.55
December	499.60	814,600	+121,700	+1,980	-	9,560	11,500	3.15	3.63
January	493.95	561,300	-253,300	-4,120	-	6,500	2,380	0.65	0.75
February	491.68	461,000	-100,300	-1,750	-	6,400	4,650	1.27	1.37
March	485.95	211,400	-249,600	-4,060	-	6,290	2,230	0.61	0.70
April	488.25	311,000	+ 99,600	+1,670	-	6,760	8,430	2.31	2.58
May	501.33	893,200	+582,200	+9,470	-	10,800	20,300	5.56	6.41
June	499.90	828,200	- 65,000	-1,090	-	5,360	4,270	1.17	1.30
July	496.55	677,300	-150,900	-2,460	-	5,180	2,720	0.74	0.86
August	490.83	423,600	-253,700	-4,130	-	5,100	970	0.27	0.31
September	486.00	213,500	-210,100	-3,530	-	4,860	1,330	0.36	0.41
The Year	-	-	-	-	-	-	6,180	1.69	23.06

Location: Lat. 49° 00' 55", long. 54° 51' 13" (revised), Newfoundland, below falls known as Big Chute, three miles downstream from Glenwood. Drainage Area: 1,690 square miles. Gauge: Recording. Measurement of Discharge: From cableway. Period of Record: October 1949 to date. Average Discharge: (11 years) - 3,900 cfs. Extremes Recorded: Daily - Maximum, 11 May 1960, 22,400 cfs, Minimum, 20 September 1960, 228 cfs; Instantaneous Maximum - 1:30 a.m., 11 May 1960, 22,900 cfs. Revisions: Drainage area, W.R.P. 130. Remarks: Records excellent under open-water conditions; fair during periods of ice effect and estimated flows.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	6,650e	3,850	6,270	1,620	1,890	2,070	1,140	11,600	2,800	1,730	764	1,480
2.....	7,000	4,290	6,740	1,660	1,840	2,000	1,120	11,500	2,700	1,730	764	1,660
3.....	6,940	4,490	6,860	1,710	1,850	1,990	1,130	11,500	2,520	1,690	706	1,760
4.....	6,900e	4,470	6,440	1,610	1,900	1,930	1,180	11,500	2,480	1,600	674	1,990
5.....	6,740	4,350	6,080	1,530	1,880	1,850	1,450	11,600	2,420	1,630	650	2,060
6.....	6,240	4,290	5,870	1,490	1,890	1,750b	2,230	11,500	2,280	1,580	650	2,070
7.....	5,770	4,180	6,100	1,450	1,940	1,740	3,520	11,100	2,200	1,570	644	2,070
8.....	5,300	3,910	6,240	1,410	2,030	1,650b	5,210	10,900	2,150	1,550	638	2,040
9.....	4,930	3,630	6,060	1,380	2,000	1,620	6,590	10,800	2,150	1,520	620	1,910
10.....	4,610e	3,510	5,720	1,340	2,040	1,520b	7,660	10,400	2,180	1,480	608	1,840
11.....	4,210	3,860	5,340	1,380	1,960	1,490b	8,360	9,850	2,330	1,460	602	1,790
12.....	4,070	4,990	4,970	1,320	1,910	1,520	8,700	9,260	2,720	1,420	602	1,680
13.....	3,920	5,900	4,660	1,310	1,880	1,480	8,600	8,640	3,350	1,370	644	1,580
14.....	3,730	6,120	4,330	1,270	1,760	1,470	8,260	7,970	3,700	1,310	656	1,530
15.....	3,630	6,140	4,040	1,240	1,740	1,380	7,820	7,720	3,740	1,290	614	1,470
16.....	3,470	5,770	3,700	1,190	1,640	1,380	7,280	7,520	3,660	1,280	626	1,370
17.....	3,340	5,410	3,510	1,160	1,650	1,330	6,940	7,340	3,520	1,220	644	1,300
18.....	3,160	5,090	3,400	1,220	1,560	1,280b	6,570	7,000	3,370	1,170	650	1,250
19.....	3,090	4,800	3,250	1,240	1,590	1,250	6,390	6,590	3,170	1,140	662	1,180
20.....	2,970	4,570	3,110	1,320	1,650	1,220	6,480	6,190	3,000	1,090	693	1,130
21.....	2,730	4,500	2,850	1,460	1,680	1,200	6,940	5,820	2,820	1,010	732	1,110
22.....	2,430	4,660	2,730	1,660	1,810	1,180	8,110	5,510	2,710	990	771	1,060
23.....	2,330	4,550	2,610	1,800	1,960	1,160b	9,480	5,090	2,600	943	764	1,060
24.....	2,240	4,390	2,430	1,920	2,110	1,140b	10,600	4,670	2,460	922	777	1,080
25.....	2,160	4,200	2,310	2,020	2,160	1,140	11,300	4,360	2,300	915	810	1,100
26.....	2,090	4,060	2,200	2,020	2,220	1,150	11,600	4,080	2,200	901	824	1,060
27.....	2,020e	3,980	2,100	2,070	2,160	1,150	11,600	3,740	2,090	859	810	1,120
28.....	1,960	3,890	2,000	2,070	2,130	1,150	11,700	3,500	1,970	845	803	1,130
29.....	1,890	4,260	1,900	2,040	-	1,140	11,800	3,280	1,890	838	894	1,130
30.....	2,190	5,000	1,840	1,990	-	1,160	11,700	3,140	1,860	797	990	1,090
31.....	3,090	-	1,670	1,980	-	1,130	-	2,900	-	803	1,240	-
Mean	3,930e	4,570	4,110	1,580	1,890	1,440	7,050	7,630	2,640	1,250	727	1,470
Per sq. mi.	2.32	2.70	2.43	0.93	1.12	0.85	4.17	4.51	1.56	0.74	0.43	0.87
Acre-feet	241,600	272,000	252,600	96,950	104,800	88,500	419,400	469,200	157,400	76,670	44,680	87,470

The Year.....Discharge: Daily - Maximum 29 April, 11,800
 - Minimum 11 and 12 August, 602
 Instantaneous Maximum 11:30 p.m., 28 April, 11,800
 Mean 3,190; Per Square Mile 1.89
 Runoff: Acre-feet 2,311,000; Depth in inches on drainage area 25.64

b - Ice conditions.

e - Estimated 1 to 4 and 10 to 27 October.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	1,100	<u>3,500</u>	7,060	<u>2,550</u>	1,670	<u>5,650</u>	1,800	12,100	4,440	<u>4,520</u>	<u>943</u>	450
2.....	1,100	3,820	<u>7,440</u>	2,430	1,690	5,340	<u>1,760</u>	12,700	4,100	4,230	880	430
3.....	1,100	4,750	7,280	2,340	1,640	5,090	1,790	13,200	3,710	3,940	873	380
4.....	1,080	6,050	6,860	2,350	1,580	4,890	1,820	13,500	3,450	3,650	838	375
5.....	1,040	6,650	6,540	2,210	1,520	4,490	1,850	13,800	3,250	3,440	784	380
6.....	1,010	6,960	6,030	2,290	1,490	4,350	2,270	14,500	3,050	3,270	764	350
7.....	998	7,560	5,660	2,320	1,440	4,240	2,870	16,500	2,900	3,020	771	350
8.....	974	7,860	5,460	2,300	1,430	4,070	4,000	19,400	2,710	2,860	732	350
9.....	950	8,070	5,390	2,280	<u>1,390</u>	3,820	5,150	20,700	2,560	2,720	745	300
10.....	<u>936</u>	8,640	5,340	2,190	1,420	3,690	6,030	22,100	2,480	2,520	738	335
11.....	958	9,190	5,150	2,150	1,480	3,600	6,420	<u>22,400</u>	2,380	2,320	712	300
12.....	982	<u>9,360</u>	4,810	2,200	1,540	3,440	6,540	21,200	2,230	2,190	699	291
13.....	1,020	8,970	4,580	2,170	1,600	3,340	6,390	19,700	2,080	2,090	712	315
14.....	1,030	8,430	4,850	2,090	1,730	3,100	6,010	18,400	2,050	1,980	686	320
15.....	1,020	8,050	6,030	2,020	1,930	3,020	5,870	17,000	2,040	1,870	680	305
16.....	1,050	7,600	6,900	1,950	2,270	3,000	5,560	16,200	<u>2,030</u>	1,810	644	273
17.....	1,040	7,340	7,040	1,880	3,020	2,900	5,300	15,500	2,040	1,750	626	255
18.....	1,090	7,060	6,840	1,800	3,830	2,800	5,090	14,600	2,080	1,630	602	277
19.....	1,090	6,730	6,420	1,790	4,380	2,660	5,020	13,700	2,300	1,540	590	237
20.....	1,110	6,390	5,850	1,820	4,670	2,570	5,460	12,700	2,990	1,530	590	<u>228</u>
21.....	1,200	5,940	5,460	1,890	4,750	2,500	6,350	12,100	3,790	1,480	572	246
22.....	1,300	5,490	5,070	1,970	5,150	2,420	6,460e	11,200	4,170	1,340	560	264
23.....	1,340	5,120	4,630	2,020	5,830	2,310	6,350e	10,400	4,320	1,280	560	286
24.....	1,380	4,880	4,260	2,060	6,460	2,300	6,440e	9,450	4,320	1,240	532	291
25.....	1,420	4,750	3,950	2,050	6,760	2,230	6,550e	8,660	4,300	1,190	527	300
26.....	1,420	4,860	3,610	2,010	<u>6,820</u>	2,210	6,650e	7,820	4,330	1,140	505	315
27.....	1,430	5,090	3,380	1,980	6,670	2,100	6,880	7,060	4,410	1,150	516	310
28.....	1,530	5,490	3,170	1,850	6,320	2,070	7,880	6,460	4,580	1,090	488	315
29.....	1,940	5,720	3,020	1,840	5,920	1,920	9,400	5,920	<u>4,700</u>	1,060	483	315
30.....	2,740	6,240	2,820	1,800	-	1,880	<u>11,000</u>	5,340	4,700	1,010	461	320
31.....	<u>3,280</u>	-	<u>2,670</u>	<u>1,730</u>	-	<u>1,840</u>	-	<u>4,800</u>	-	<u>990</u>	<u>430</u>	-
Mean	1,280	6,550	5,280	2,070	3,320	3,220	5,360	13,500	3,280	2,120	653	315
Per sq.mi.	0.76	3.88	3.12	1.23	1.97	1.91	3.17	8.00	1.94	1.26	0.39	0.19
Acre-feet	78,660	389,800	324,400	127,600	191,200	198,000	319,200	831,300	195,300	130,600	40,160	18,770

The Year.....Discharge: Daily - Maximum 11 May, 22,400
 - Minimum 20 September, 228
 Instantaneous Maximum 1:30 a.m., 11 May, 22,900
 Mean 3,920; Per Square Mile 2.32
 Runoff: Acre-feet 2,845,000; Depth in inches on drainage area 31.57

e - Estimated.

Location: Lat. 47° 12' 50", long. 55° 19' 45", Newfoundland, about one and one-half miles from the village of Garnish. Drainage Area: 79 square miles. Gauge: Recording. Measurement of Discharge: From cableway. Period of Record: October 1958 to date. Extremes Recorded: Daily - Maximum, 5 December 1958, 1,140 cfs, Minimum, 8 September 1960, 14.0 cfs; Instantaneous Maximum - 4 a.m., 5 December 1958, 1,150 cfs. Remarks: Records excellent under open-water conditions; fair during periods of ice effect and estimated flows.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	385 ^e	299	474	228	295	362	394	484	95	69	39.3	349
2.....	317	295	408	272	340	385	394	453	89	67	39.3	340
3.....	272	299	668	295	362	432	385	427	99	64	38.0	349
4.....	228	286	1,040	317	340	408	367	413	193	62	38.0	353
5.....	206	268	1,140	317	385	385	376	399	317	61	37.0	418
6.....	184	246	1,120	295	362	362	531	380	358	56	40.6	500
7.....	162	219	1,090	272	317	340	668	371	340	53	38.0	494
8.....	141 ^e	197	914	250	272	317	686	362	295	54	41.9	432
9.....	125	197	698	228	228	295	638	358	263	61	154	371
10.....	108	371	627	250	184	272	570	362	224	62	404	317
11.....	99	598	542	228	67	228	526	349	224	69	484	268
12.....	105	656	484 ^b	206	105	206	479	317	241	76	458	237
13.....	105	609	432	184	78	228	427	295	263	82	408	237
14.....	108	526	385	162	67	272	371	277	259	85	353	228
15.....	111	448	362	141	59	317	322	268	241	82	304	228
16.....	102	390	340	121	51	340	286	250	210	82	263	232
17.....	99	335	362	162	67	362	263	246	184	78	228	232
18.....	92	290	385	408	121	340	277	237	162	74	193	224
19.....	89	272	408	458	206	295	322	224	141	71	171	215
20.....	92	290	458	536	340	272	380	228	125	65	162	206
21.....	92	326	536	510	484	250	437	224	115	64	154	188
22.....	87	317	564	484	621	228	520	215	111	61	150	166
23.....	87	308	510	536	592	272	553	197	108	57	141	162
24.....	85	286	432	564	536	432	553	193	92	54	121	154
25.....	80	295	362	510	484	484	542	188	99	53	108	175
26.....	76	408	317	458	432	536	520	171	95	45.8	99	241
27.....	74	510	272	340	385	484	520	154	92	45.8	89	290
28.....	95	553	250	272	340	458	531	137	89	45.8	95	299
29.....	158	604	228	228	-	432	526	121	82	44.5	175	277
30.....	232	547	206	206	-	408 ^b	510	111	76	43.2	290	246
31.....	286	-	206	250	-	399	-	105	-	40.6	358	-
Mean	145	375	523	312	290	348	462	275	176	62	183	281
Per sq. mi.	1.83	4.74	6.62	3.96	3.67	4.41	5.85	3.48	2.23	0.79	2.32	3.56
Acre-feet	8,890	22,300	32,170	19,220	16,110	21,420	27,520	16,890	10,480	3,820	11,250	16,710

The Year.....Discharge: Daily - Maximum 5 December, 1,140

- Minimum 5 August, 37.0

Instantaneous Maximum 4 a.m., 5 December, 1,150

Mean 286; Per Square 3.62

Runoff: Acre-feet 206,800; Depth in inches on drainage area 49.08

b - Ice conditions 12 December to 30 March.

e - Estimated 1 to 8 October.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	224	344	254	141	78	<u>259</u>	<u>188</u>	290	99	<u>125</u>	<u>29.0</u>	15.0
2.....	206	489	259	121	89	237	202	286	85	117	28.0	14.5
3.....	180	716	250	162	78	215	224	286	82	108	27.3	14.5
4.....	158	<u>776</u>	241	206	89	193	254	277	80	99	27.3	14.5
5.....	150	728	228	<u>250</u>	78	175	335	259	<u>78</u>	95	28.0	15.0
6.....	137	627	219	228	<u>67</u>	166	553	241	82	92	27.3	15.0
7.....	125	531	206	206	78	154	818	224	125	87	26.6	15.0
8.....	115	489	210	162	89	137	<u>824</u>	215	219	82	25.2	<u>14.0</u>
9.....	108	468	254	141	105	141	692	210	277	78	25.9	15.0
10.....	99	500	290	121	121	118	564	202	<u>281</u>	69	25.9	16.2
11.....	<u>95</u>	633	295	105	184	129	479	197	254	61	26.6	15.6
12.....	95	728	281	89	228b	141	404	193	228	64	27.3	17.4
13.....	129	692	254	78	263	121b	358	188	197	61	28.0	19.2
14.....	202	604	304	67	322	105	344	175	175	57	28.0	20.4
15.....	254	510	371	<u>59</u>	453	89	322	175	150	54	29.0	22.4
16.....	259	458	394	67	746	<u>78</u>	304	202	125	49.7	27.3	23.8
17.....	241	479	<u>408</u>	78	<u>837</u>	78	277	277	115	47.1	26.6	24.5
18.....	224	536	408	105	728	78	250	308	102	44.5	25.2	24.5
19.....	224	581	376	141	586	89	246	304	99	43.2	27.3	25.2
20.....	237	564	322	162	479	105	290	304	99	41.9	23.1	26.6
21.....	263	494	272b	184	448	105	331	326	99	37.0	23.1	30.0
22.....	263	413	228	184	463	111	344	<u>335</u>	102	32.0	21.7	34.0
23.....	259	358	184	162	494	105	317	322	108	34.0	21.7	35.0
24.....	246	322	141	141	515	89	290	295	108	35.0	19.8	38.0
25.....	224	281	105	162	494	105	268	259	102	35.0	18.6	44.5
26.....	206	259	<u>89</u>	184	432	121	259	228	99	34.0	17.4	45.8
27.....	197	268	121	162	380	141	241	193	111	33.0	16.2	45.8
28.....	228	268	162	141	331	141	237	166	129	32.0	15.0	47.1
29.....	308	<u>250</u>	206	121	290	141	254	146	137	31.0	<u>14.5</u>	47.1
30.....	<u>362</u>	254	184	105	-	162b	277	125	133	31.0	14.5	<u>48.4</u>
31.....	358	-	162	89	-	175	-	<u>108</u>	-	<u>29.0</u>	14.5	-
Mean	206	487	248	139	329	136	358	236	136	59	23.7	26.1
Per sq.mi.	2.60	6.17	3.13	1.77	4.17	1.72	4.53	2.99	1.72	0.75	0.30	0.33
Acre-feet	12,650	29,000	15,230	8,580	18,930	8,340	21,310	14,510	8,090	3,650	1,460	1,550

The Year.....Discharge: Daily - Maximum 17 February, 837

- Minimum 8 September, 14.0

Instantaneous Maximum 5 a.m., 17 February, 872

Mean 197; Per Square Mile 2.50

Runoff: Acre-feet 143,300; Depth in inches on drainage area 34.01

b - Ice conditions 21 December to 12 February and 13 to 30 March.

Location: Lat. 48° 09' 48", long. 56° 48' 36", Newfoundland, about one and one-half miles below the outlet of Pudops Lake. Drainage Area: 379 square miles. Gauge: Recording. Measurement of Discharge: From cableway. Period of Record: August 1958 to date. Extremes Recorded: Daily - Maximum, 17 December 1959, 2,970 cfs, Minimum, 8 September 1960, 253 cfs; Instantaneous Maximum - 10 a.m., 18 December 1959, 3,250 cfs. Remarks: Records excellent except for estimated flows which are good.

Daily Discharge in Cubic Feet per Second for Year 1958

Daily Discharge in Cubic Feet per Second for Year 1956											
Day		Aug.	Sept.	Day		Aug.	Sept.	Day	Aug.	Sept.	
1.	701	845	11.	.....	608	1,190	21.	.....	795	1,220
2.	693	899	12.	.....	616	1,480	22.	.....	845	1,140
3.	677	987	13.	.....	604	1,640	23.	.....	910	1,140
4.	665	965	14.	.....	592	1,750	24.	.....	888	1,100
5.	669	971	15.	.....	588	1,740	25.	.....	894	1,060
6.	642	982	16.	.....	572	1,640	26.	.....	899	965
7.	651	998	17.	.....	596	1,620	27.	.....	943	943
8.	633	1,030	18.	.....	660	1,520	28.	.....	971	982
9.	620	1,050	19.	.....	693	1,410	29.	.....	954	1,330
10.	588	1,070	20.	.....	714	1,320	30.	.....	976	1,690
								31.	.....	927	-
									Mean	735	1,220
									Per sq.mi.	1.94	3.23
									Acre-feet	45,190	72,740

The Period..... Discharge: Daily - Maximum, 14 September, 1,750
(61 days) Minimum, 16 August, 572

Mean 975; Per Square Mile 2.57

Runoff: Acre-feet 117,900; Depth in inches on drainage area 5.83

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	2,020	883							855	490	302	391
2.....	2,340	932							790	472	316	479
3.....	2,330	976							825	483	319	508
4.....	2,160	1,040							840	472	313	522
5.....	1,980	1,020							805	447	305	564
6.....	1,750	987							830	420	302	588
7.....	1,560								825	410	290	580
8.....	1,500			540e					815	443	300	544
9.....	1,400								805	498	316	544
10.....	1,320								785	498	313	529
11.....	1,270								894	494	313	505
12.....	1,150								855	490	305	501
13.....	1,120								830	526	300	475
14.....	1,070								835	529	295	430
15.....	1,010		1,700e		650e	500e	1,400e		861	540	305	397
16.....	927								845	529	307	400
17.....	894								820	512	295	394
18.....	905			512					765	490	310	376
19.....	861	1,900e		515					765	468	316	367
20.....	877			519					760	464	325	361
21.....	855			526				1,510	723	461	319	343
22.....	820			533				1,360	685	430	328	349
23.....	815			564				1,260	669	413	328	358
24.....	815			580				1,280	629	391	313	346
25.....	780			584				1,240	604	379	297	328
26.....	755			592				1,150	572	358	295	337
27.....	727			568				1,120	568	346	290	331
28.....	736			560				1,030	584	349	300	331
29.....	775			523	-			982	540	340	328	319
30.....	790			486	-			905	501	322	358	305
31.....	830	-		580	-		-	921	-	300	373	-
Mean	1,200	1,710e	1,700e	543e	650e	500e	1,400e	1,570e	749	444	312	427
Per sq.mi.	3.16	4.52	4.48	1.43	1.71	1.32	3.69	4.15	1.98	1.17	0.82	1.13
Acre-feet	73,670	102,000	104,500	33,370	36,100	30,740	83,300	96,710	44,580	27,300	19,190	25,390

The Year..... Discharge: Instantaneous Maximum 3:30 p.m., 2 October, 2,430

Mean 935; Per Square Mile 2.47

Runoff: Acre-feet 676,900; Depth in inches on drainage area 33.49

e - Estimated 7 November to 17 January and 1 February to 20 May.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	316	<u>705</u>	2,380				450	1,410	<u>960</u>	<u>642</u>	<u>346</u>	257
2.....	322	866	2,410				440	1,600	888	638	340	261
3.....	310	1,090	2,300				<u>433</u>	1,810	855	596	337	263
4.....	300	1,340	2,170				468	1,970	800	576	334	261
5.....	305	1,500	1,950				522e	2,050	750	584	331	257
6.....	302	1,520	1,820				580	2,090	718	540	325	259
7.....	285	1,460	1,710				689	2,150	709	526	319	257
8.....	292	1,530	1,620				810	2,300	689	508	316	<u>253</u>
9.....	290	1,500	1,530				910	2,460	669	464	310	259
10.....	285	1,520	1,550				1,040	2,620	629	436	307	255
11.....	287	1,580	1,500				1,100e	<u>2,670</u>	580	423	300	273
12.....	285	1,540	1,590				1,150	2,630	588	423	302	277
13.....	273	1,470	1,610				1,180	2,590	588	420	297	269
14.....	<u>271</u>	1,420	2,020				1,150	2,480	592	440	302	316
15.....	277	1,310	2,500	720e	920e	750e	1,100	2,360	552	430	305	370
16.....	275	1,340	2,870				1,040	2,260	<u>508</u>	407	310	376
17.....	273	1,360	<u>2,970</u>				1,010	2,220	526	388	307	403
18.....	275	1,300	2,960				987	2,140	515	385	313	416
19.....	292	1,210	2,630				1,010	2,050	540	376	316	472
20.....	292	1,160	2,360e				1,070	2,020	564	367	322	501
21.....	328	1,110	2,160				1,100	1,980	544	364	322	540
22.....	340	1,070	1,960				1,120	1,880	540	361	325	584
23.....	358	1,030	1,800				1,100e	1,720	540	358	325	584
24.....	376	987	1,640				1,070	1,640	536	358	322	604
25.....	391	976	1,540				1,070	1,500	529	358	310	<u>629</u>
26.....	407	1,010	1,440				1,040	1,380	584	358	302	600e
27.....	416	1,280	1,340				1,010	1,350	608	355	287	580
28.....	447	1,570	1,270				1,030	1,230	608	352	283	560
29.....	512	1,890	1,210				1,100	1,140	638	352	277	540
30.....	572	<u>2,220</u>	1,150		-		<u>1,220</u>	1,090	642	<u>349</u>	<u>269</u>	522e
31.....	<u>616</u>	-	<u>1,100</u>		-		-	<u>1,030</u>	-	349	269	-
Mean	341	1,330	1,900	720e	920e	750e	933e	1,930	633	435	311	400
Per sq.mi.	0.90	3.51	5.03	1.90	2.43	1.98	2.46	5.10	1.67	1.15	0.82	1.05
Acre-feet	20,970	79,060	117,100	44,270	52,920	46,120	55,530	118,800	37,660	26,740	19,100	23,800

The Year.....Discharge: Daily - Maximum 17 December, 2,970
 - Minimum 8 September, 253
 Instantaneous Maximum 10 a.m., 18 December, 3,250
 Mean 884; Per Square Mile 2.33
 Runoff: Acre-feet 642,100; Depth in inches on drainage area 31.77

e - Estimated 20 December to 5 April, 11 to 23 April and 26 to 30 September.

HAMILTON RIVER AT FLOUR LAKE - STATION No. 30B₂

Location: Lat. 53° 44' 42", long. 64° 38' 24", Newfoundland, at outlet of Flour Lake. Drainage Area: 13,100 square miles. Gauge: Recording. Measurement of Discharge: From cableway. Period of Record: May 1955 to date. Extremes Recorded: Daily - Maximum, 15 to 17 June 1958, 106,000 cfs, Minimum, 16 to 30 April 1960, 5,100 cfs; Instantaneous Maximum - 8 a.m., 15 June 1958, 107,000 cfs. Revisions: Drainage area, W.R.P. 123. Remarks: Records excellent except those under ice conditions which are fair. Extremes recorded apply from October 1957 when drainage area was reduced as a result of Atikonak River diversion. This station consists of a double metering section at Flour "A" and "C" and a single recorder at Flour "A".

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	33,000	24,800	17,800	12,200	8,300	6,600	5,800	5,800	70,800	74,800	41,500	26,900
2.....	32,700	24,500	17,500	12,000	8,200	6,600	5,700	5,800	76,000	73,600	42,100	26,300
3.....	32,200	24,200	17,200	11,800	8,100	6,500	5,700	5,800	79,700	71,800	41,900	25,800
4.....	32,100	24,000	17,000	11,600	8,000	6,500	5,700	5,800	83,000	69,600	41,100	25,200
5.....	32,000	23,800	16,800	11,500	8,000	6,500	5,700	5,800	86,100	67,300	40,400	24,300
6.....	31,900	23,500	16,600	11,400	7,900	6,400	5,670	6,000	88,700	65,500	40,000	23,600
7.....	31,300	23,100	16,400	11,200	7,800	6,400	5,670	6,200	90,500	63,100	39,700	23,400
8.....	31,200	22,900	16,200	11,100	7,700	6,400	5,670	6,400	92,100	61,900	39,200	23,100
9.....	31,100	22,600	16,000	11,000	7,700	6,400	5,670	6,600	93,500	59,500	39,000	21,900
10.....	31,300	22,300	15,800	10,900	7,600	6,300	5,670	6,800	94,000	57,700	38,300	21,300
11.....	30,900	22,000	15,600	10,700	7,600	6,300	5,650	7,000	94,500	56,300	37,700	21,100
12.....	31,400	21,800	15,400	10,600	7,500	6,300	5,650	7,400	94,200	54,400	37,200	20,900
13.....	30,900	21,600	15,200	10,400	7,500	6,300	5,650	7,800	94,200	53,500	37,000	20,500
14.....	30,500b	21,400	15,000	10,300	7,400	6,200	5,650	8,600	94,000	52,000	36,500	20,200
15.....	30,000	21,100	14,900	10,200	7,400	6,200	5,650	10,000	94,700	51,400	35,700	20,200
16.....	30,000	20,900	14,700	10,000	7,300	6,200	5,620	11,000	94,500	49,500	35,500	19,300
17.....	29,500	20,600	14,500	10,000	7,200	6,100	5,620	13,000	94,000	48,400	34,900	19,000
18.....	29,000	20,400	14,400	9,800	7,200	6,100	5,620	15,000	92,200	47,800	34,600	18,700
19.....	29,000	20,200	14,200	9,700	7,100	6,100	5,620	18,000	91,100	47,200	34,100	18,400
20.....	28,800	20,000	14,000	9,600	7,000	6,100	5,620	22,000	90,300	46,400	33,700	18,200
21.....	28,400	19,600	13,800	9,500	7,000	6,000	5,600	26,000	88,800	45,500	33,100	18,000
22.....	28,000	19,400	13,600	9,400	6,900	6,000	5,600	30,000	87,800	44,900	32,500	17,800
23.....	27,500	19,200	13,500	9,300	6,900	6,000	5,600	33,000	86,800	44,200	32,100	17,500
24.....	27,000	19,000	13,400	9,200	6,800	5,900	5,600	38,000	84,700	44,000	31,500	17,200
25.....	27,000	18,800	13,200	9,100	6,800	5,900	5,600	42,000	83,600	44,600	31,000	17,300
26.....	26,500	18,600	13,000	9,000	6,700	5,900	5,600	47,000	82,300	44,000	30,300	17,000
27.....	26,300	18,500	12,900	8,900	6,700	5,800	5,600	49,000	81,200	43,900	29,700	16,600
28.....	26,000	18,300	12,800	8,700	6,600	5,800	5,600	52,000	79,200	43,500	28,700	16,400
29.....	25,500	18,200	12,700	8,600	-	5,800	5,600	56,000b	77,500	42,900	28,100	16,400
30.....	25,200	18,000	12,500	8,500	-	5,800	5,600	60,500	76,800	42,600	27,400	16,500
31.....	25,000	-	12,400	8,400	-	5,800	-	66,100	-	42,200	26,900	-
Mean	29,400	21,100	14,800	10,100	7,390	6,170	5,640	21,900	87,200	53,400	35,200	20,300
Per sq. mi.	2.24	1.61	1.13	0.77	0.56	0.47	0.43	1.68	6.66	4.07	2.69	1.55
Acre-feet in 1,000	1,807	1,256	910.4	624	410.4	379.2	335.8	1,350	5,190	3,281	2,165	1,208

The Year.....Discharge: Daily - Maximum 15 June, 94,700
 - Minimum 21 to 30 April, 5,600
 Instantaneous Maximum - 7 a.m., 15 June, 95,000
 Mean 26,100; Per Square Mile 1.99
 Runoff: Acre-feet 18,920,000; Depth in inches on drainage area 27.08

b - Ice conditions 14 October to 29 May.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	16,100	<u>22,900</u>	<u>15,500</u>	<u>11,000</u>	<u>8,400</u>	<u>6,700</u>	<u>5,400</u>	<u>5,200</u>	<u>45,000</u>	<u>52,200</u>	34,300	37,900
2.....	16,100	22,600	15,300	10,900	8,300	6,700	5,400	5,400	50,000	49,600	34,100	38,200
3.....	<u>15,900</u>	22,300	15,100	10,800	8,200	6,600	5,400	5,700	58,000	47,200	34,300	38,200
4.....	16,000	22,000	15,000	10,700	8,100	6,600	5,300	6,000	64,000	45,900	34,000	38,100
5.....	15,900	21,700	14,800	10,600	8,100	6,600	5,300	6,300	70,000b	44,900	<u>33,400</u>	38,000
6.....	16,000	21,400	14,600	10,500	8,000	6,500	5,300	6,600	74,300	43,400	33,400	37,600
7.....	16,000	21,200	14,400	10,400	8,000	6,500	5,270	6,800	78,000	42,400	33,500	37,300
8.....	16,100	21,000	14,300	10,300	7,900	6,400	5,270	7,200	81,100	41,400	33,600	37,000
9.....	16,200	20,600	14,100	10,300	7,800	6,400	5,270	7,600	82,800	40,400	34,000	<u>36,400</u>
10.....	16,500	20,300	14,000	10,200	7,800	6,300	5,270	8,100	83,500	39,600	34,100	36,500
11.....	16,700	20,000	13,800	10,100	7,700	6,300	5,200	8,600	83,800	39,200	34,100	36,500
12.....	17,000	19,800	13,600	10,000	7,700	6,200	5,200	9,100	84,200	38,700	34,200	36,500
13.....	17,900	19,500	13,400	9,900	7,600	6,200	5,200	9,600	84,600	38,700	34,600	37,200
14.....	18,000	19,200	13,300	9,800	7,500	6,100	5,200	10,000	<u>84,900</u>	38,000	35,000	38,500
15.....	18,200	19,000	13,200	9,700	7,500	6,100	5,200	10,500	84,200	37,500	35,400	39,300
16.....	18,400	18,700	13,000	9,600	7,400	6,000	<u>5,100</u>	11,000	83,100	37,300	35,700	39,700
17.....	18,400	18,500	12,900	9,500	7,400	6,000	5,100	11,700	81,800	36,700	36,300	40,500
18.....	18,900	18,300	12,700	9,500	7,300	5,900	5,100	12,500	81,400	36,100	36,800	41,000
19.....	19,400	18,000	12,600	9,400	7,300	5,900	5,100	13,500	80,600	35,600	37,500	41,900
20.....	19,100	17,800	12,500	9,300	7,200	5,900	5,100	14,500	79,200	35,800	38,000	42,600
21.....	19,000b	17,500	12,300	9,200	7,200	5,800	5,100	15,500	77,200	36,800	38,200	43,100
22.....	19,000b	17,300	12,200	9,100	7,100	5,800	5,100	17,000	75,000	36,700	38,600	43,500
23.....	19,000b	17,100	12,100	9,100	7,100	5,700	5,100	18,500	73,000	36,600	39,100	43,900
24.....	19,500b	16,900	12,000	9,000	7,000	5,700	5,100	20,000	70,900	36,400	39,300	44,500
25.....	20,200	16,700	11,800	8,900	7,000	5,700	5,100	21,500	67,500	36,000	<u>39,400</u>	44,500
26.....	22,000	16,500	11,700	8,800	6,900	5,600	5,100	24,000	65,400	35,700	38,800	44,700
27.....	23,400	16,300	11,600	8,700	6,900	5,600	5,100	27,000	62,000	35,400	39,000	44,700
28.....	<u>23,800</u>	16,100	11,500	8,700	<u>6,800</u>	5,600	5,100	30,000	58,800	35,300	38,200	<u>45,000</u>
29.....	23,700	15,900	11,400	8,600	6,800	<u>5,500</u>	5,100	33,000	55,600	35,300	38,200	45,000
30.....	23,500b	<u>15,700</u>	11,300	<u>8,500</u>	-	5,500	5,100	37,000	53,400	<u>34,800</u>	38,200	45,000e
31.....	23,100	-	<u>11,200</u>	8,500	-	5,500	-	<u>40,000</u>	-	35,000	37,800	-
Mean	18,700	19,000	13,100	9,660	7,520	6,060	5,190	14,800	72,400	39,200	36,200	40,400
Per sq.mi.	1.43	1.45	1.00	0.74	0.57	0.46	0.40	1.13	5.53	2.99	2.76	3.09
Acre-feet in 1,000	1,148	1,132	807.7	594.2	432.4	372.7	308.8	911.2	4,311	2,409	2,224	2,406

The Year.....Discharge: Daily - Maximum 14 June, 84,900
 - Minimum 16 to 30 April, 5,100
 Instantaneous Maximum 4 a.m., 14 June, 85,100
 Mean 23,500; Per Square Mile 1.79
 Runoff: Acre-feet 17,060,000; Depth in inches on drainage area 24.41

b - Ice conditions 30 October to 5 June and as indicated.

e - Estimated.

Location: Lat. 53° 15' 30", long. 60° 45' 00", Newfoundland, approximately six hundred and fifty feet upstream from Upper Muskrat Falls. Drainage Area: 30,400 square miles. Gauge: Recording. Measurement of Discharge: From boat. Period of Record: July to September 1948 and October 1953 to date. Average Discharge: (6 years) - 58,300 cfs. Extremes Recorded: Daily - Maximum, 27 June 1957, 241,000 cfs, Minimum, 27 March to 5 April 1957, 8,950 cfs; Instantaneous Maximum - 3 p.m., 27 June 1957, 241,000 cfs. Revisions: 1953-54, W.R.P. 120. Remarks: Records fair.

Daily Discharge in 1,000 Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	84.1	56.5	38.1	26.3	18.0	13.7	12.1	14.6	176	135	76.0	48.2
2.....	82.4	56.2	37.6	25.9	17.8	13.7	12.1	15.6	181	130	74.8	47.4
3.....	81.1	55.7	37.3	25.7	17.6	13.5	12.1	16.3	184	128	73.8	46.6
4.....	79.9	54.9	36.8	25.5	17.5	13.5	12.1	17.0	187	126	73.2	45.8
5.....	79.1	54.2	36.3	25.0	17.3	13.4	12.1e	17.7	189	123	72.6	45.0
6.....	77.0	53.5	35.8	24.8	17.1	13.2	12.0b	18.8	191	120	72.3	44.3
7.....	75.6	52.9e	35.4	24.6	16.9	13.2	12.0	20.2	192	118	71.7	43.5
8.....	74.0	52.3	34.9	24.2	16.6	13.2	12.0	22.6	192	115	71.1	42.7
9.....	72.8	51.8	34.5	23.8	16.4	13.0	12.0	26.7	191	113	70.9	42.0
10.....	72.7	51.3	34.0	23.2	16.2	13.0	12.0	31.0	190	110	69.7	41.2
11.....	73.7	49.8	33.6	23.0	16.1	12.9	12.0	35.4	189	108	68.5	40.4
12.....	75.7	49.3	33.2	22.8	15.9	12.9	12.0	40.4	188	106	67.4	39.6
13.....	75.5	48.8	32.7	22.6	15.8	12.9	12.0	49.0	187	104	66.3	38.9
14.....	74.3	48.3	32.3	22.4	15.6	12.7	12.0	61.0	185	102	65.5	38.2
15.....	73.0	47.7	32.1	22.2	15.4	12.7	12.0	74.1b	184	100	65.1	37.4
16.....	72.4	47.2	31.9	21.8	15.2	12.7	12.0	88.0	183	98.0	64.1	36.8
17.....	71.7	46.6	31.4	21.6	15.1	12.5	12.3	99.5	180e	96.0	63.5	36.0
18.....	70.4	45.8	31.2	21.4	14.9	12.5	12.3	111	176	94.0	62.6	35.3
19.....	69.6	44.9	31.0	21.0	14.9	12.5	12.3	119	173	92.0	61.8	34.6
20.....	68.7	44.0	30.5	20.8	14.7	12.5	12.3	122	170	90.0	61.1	33.9
21.....	67.6	43.2	30.1	20.6	14.5	12.4	12.3	124	166	88.0	58.4	33.2
22.....	66.2	42.7	29.7	20.2	14.4	12.4	12.3	126	163	86.0	56.9	33.0
23.....	64.4	42.2	29.2	20.0	14.2	12.4	12.3	128	160	84.0	55.6	33.2
24.....	63.8	41.7	28.8	19.9	14.2	12.2	12.6	131	156	82.0	54.9	32.4
25.....	63.0	41.1	28.3	19.4	14.0	12.2	12.6	135	153	80.1	54.0	32.8
26.....	62.2	40.6	28.1	19.3	13.9	12.2	12.6	138	150	80.0e	53.1	33.1
27.....	60.4	40.1	27.9	19.1	13.9	12.2	12.6	140	146	78.5	52.4	33.3
28.....	59.4	39.6	27.5	18.8	13.9	12.2	13.2	145	143	78.3	51.5	33.4
29.....	58.1	39.1	27.3	18.6	-	12.2	13.2	152	140	77.9	50.7	33.4
30.....	57.3	38.6	26.9	18.4	-	12.2	13.2	162	137	77.6	49.8	33.9
31.....	57.0	-	26.7	18.2	-	12.2	-	170	-	77.2	48.9	-
Mean	70.4	47.4e	32.0e	22.0e	15.6e	12.7e	12.3	82.3	173e	99.9e	63.2	38.3
Per sq. mi.	2.32	1.56	1.05	0.72	0.51	0.42	0.40	2.71	5.70	3.29	2.08	1.26
Acre-feet in 1,000	4,330	2,818	1,966	1,351	868.8	783.5	731.1	5,060	10,320	6,144	3,884	2,280

The Year.....Discharge: Daily - Maximum 7 and 8 June, 192,000

- Minimum 6 to 16 April, 12,000

Instantaneous Maximum - at noon, 8 June, 192,000

Mean 56,000; Per Square Mile 1.84

Runoff: Acre-feet 40,530,000; Depth in inches on drainage area 25.00

b - Ice conditions 6 April to 15 May.

e - Estimated 7 November to 5 April and 17 June to 26 July.

Daily Discharge in 1,000 Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	33.9	<u>77.3</u>	<u>58.1</u>	<u>25.9</u>	<u>22.2</u>	<u>18.0</u>	13.9	<u>16.5</u>	<u>108</u>	<u>109</u>	<u>74.3</u>	66.9
2.....	34.1	74.1	52.9b	25.4	22.2	18.0	14.5	17.1	108	108	72.9	<u>66.8</u>
3.....	34.2	70.2	51.1	25.4	22.2	18.0	14.6	17.8	109	107	71.7	68.6
4.....	34.0	66.6	49.3	25.0	21.8	17.5	14.7	19.0	111	103	71.0	71.3
5.....	34.0	63.5	47.6	25.0	21.8	17.5	14.6	20.3	114	101	69.7	73.6
6.....	34.0	61.4	47.0	24.6	21.8	17.5	14.4	21.9	116	99.5	68.7	75.6
7.....	34.0	60.8	45.3	24.6	21.5	17.5	14.1	24.3	123	98.4	67.5	76.6
8.....	33.7	60.4	<u>44.2</u>	24.2	21.5	17.0	14.8	27.6	133	97.2	66.6	76.0
9.....	33.3	60.2	42.5	24.2	21.5	17.0	14.9	31.6	138	94.0	65.5	74.6
10.....	<u>33.1</u>	59.2	40.9	23.8	21.0	17.0	14.5	39.3	143	91.0	64.5	73.2
11.....	33.7	58.8	39.8	23.8	21.0	17.0	14.3	51.7	146	89.1	64.0	71.9
12.....	33.6	58.4	38.7	23.8	21.0	16.9	14.0	59.2	147	87.3	63.8	70.3
13.....	34.8	57.5	37.7	23.8	20.5	17.1	<u>13.7</u>	64.6	148	85.4	63.8	69.2
14.....	36.5	56.7	36.6	24.2	20.5	16.6	13.9	69.1	<u>150</u>	83.6	63.6	70.5
15.....	37.6	55.9	35.6	24.6	20.5	16.6	13.9	72.3	150	81.9	63.4	73.6
16.....	38.3	55.0	34.6	24.6	20.0	16.6	13.9	81.5	149	79.4	63.3	76.7
17.....	38.7	54.3	34.1	24.2	20.0	16.2	13.8	92.3	147	78.4	62.9	79.9
18.....	39.5	53.4	33.1	24.2	20.0	16.2	13.9	99.3	145	76.6	62.8	82.3
19.....	40.4	52.4	32.2	23.8	19.5	15.9	14.0	104	145	75.1	62.8	83.7
20.....	40.3	51.0	31.7	23.8	19.5	15.9	14.1	108	144	<u>74.3</u>	<u>62.5</u>	<u>84.4</u>
21.....	40.2	50.0	31.2	23.8	19.5	15.6	14.2	110	142	76.3	62.5	84.1
22.....	40.2	<u>49.8</u>	30.7	23.4	19.0	15.6	14.2	111	138	84.7	63.1	83.3
23.....	40.1	49.8	30.2	23.4	19.0	15.6	14.1	113	138	90.1	64.2	82.2
24.....	39.6	50.3	29.3	23.4	19.0	15.2	14.0	113	135	87.6	67.4	81.0
25.....	40.1	52.2	28.9	23.0	<u>18.5</u>	15.2	14.0	114	131	85.7	69.1	79.8
26.....	45.8	52.9	28.4	23.0	18.5	14.9	14.1	<u>115</u>	128	83.5	68.8	78.8
27.....	56.1	56.6	28.0	23.0	18.5	14.5	14.3	114	126	81.0	68.3	77.9
28.....	66.0	59.3	27.5	22.6	18.5	14.2	14.7	112	121	78.8	67.8	77.3
29.....	74.8	62.4	27.1	22.6	18.5	14.2b	15.2	111	116	78.7	67.4	76.8
30.....	79.9	62.2	26.7	22.6	-	<u>14.0</u>	<u>15.8</u>	111	113	78.3	67.1	76.3
31.....	<u>80.6</u>	-	<u>26.3</u>	<u>22.2</u>	-	14.1	-	110	-	76.1	67.0	-
Mean	42.4	58.4	37.0	23.9	20.3	16.2	14.3	73.3	132	87.7	66.4	76.1
Per sq.mi.	1.40	1.92	1.22	0.79	0.67	0.53	0.47	2.41	4.34	2.89	2.18	2.50
Acre-feet in 1,000	2,608	3,476	2,276	1,472	1,168	997.9	851.1	4,505	7,859	5,395	4,082	4,529

The Year.....Discharge: Daily - Maximum 14 and 15 June, 150,000
 - Minimum 13 April, 13,700
 Instantaneous Maximum 6 p.m., 15 June, 150,000
 Mean 54,000; Per Square Mile 1.78
 Runoff: Acre-feet 39,220,000; Depth in inches on drainage area 24.19

b - Ice conditions 2 December to 29 March.

Location: Lat. 47° 51' 28", long. 53° 22' 48", Newfoundland, at Heart's Content power house of United Towns Electric Company Limited. Drainage Area: 35.5 square miles. Period of Record: January 1949 to date. Average Discharge: (11 years) - 110 cfs. Remarks: Records supplied by United Towns Electric Company Limited from operating data.

Monthly Summary of Storage, Outflow and Runoff for Water Years 1958-59 and 1959-60

Month	Storage Level at End of Monthly Period	Volume of Live Storage	Storage Change + or -		Effect of Change in Upstream Storage	Recorded Outflow	Monthly Runoff		
				Equiva- lent in			Mean	Per Square Mile	Depth in
	Feet	Acre-feet	Acre-feet	cfs	cfs	cfs	cfs	cfs	Inches
1958-59									
(Sept.)	-	3,700	-	-	-	-	-	-	-
October	-	2,560	-1,140	-18.5	-	96	77	2.17	2.50
November	-	3,430	+ 870	+14.6	-	110	125	3.52	3.93
December	-	2,810	- 620	-10.1	-	124	114	3.21	3.70
January	-	2,520	- 290	- 4.8	-	52	47.2	1.33	1.53
February	-	3,370	+ 850	+15.3	-	73	88	2.48	2.58
March	-	2,140	-1,230	-20.0	-	76	56	1.58	1.82
April	-	6,640	+4,500	+76	-	118	194	5.46	6.10
May	-	6,430	- 210	- 3.4	-	154	151	4.25	4.90
June	-	5,480	- 950	-16.0	-	125	109	3.07	3.42
July	-	3,170	-2,310	-37.6	-	68	30.4	0.86	0.99
August	-	2,830	- 340	- 5.6	-	51	45.4	1.28	1.48
September	-	2,840	+ 10	+ 0.2	-	58	58	1.63	1.82
The Year	-	-	-	-	-	-	91	2.56	34.77
1959-60									
October	-	2,420	- 420	- 6.8	-	65	58	1.63	1.88
November	-	6,910	+4,490	+75	-	144	219	6.17	6.88
December	-	5,830	-1,080	-17.4	-	129	112	3.15	3.64
January	-	4,610	-1,220	-19.4	-	123	103	2.90	3.34
February	-	6,850	+2,240	+39.0	-	136	175	4.93	5.32
March	-	5,010	-1,840	-29.9	-	140	110	3.10	3.57
April	-	8,710	+3,700	+62	-	148	210	5.91	6.60
May	-	9,100	+ 390	+ 6.3	-	155	161	4.53	5.23
June	-	4,540	-4,560	-76	-	142	66	1.86	2.07
July	-	3,730	- 810	-13.3	-	29.2	15.9	0.45	0.52
August	-	3,520	- 210	- 3.4	-	0.0	0.0	0.00	0.00
September	-	3,110	- 410	- 6.8	-	9.2	2.4	0.07	0.08
The Year	-	-	-	-	-	-	102	2.87	39.13

Location: Lat. 49° 04' 21", long. 57° 10' 46" (revised), Newfoundland, about three miles from mouth on Grand Lake.
Drainage Area: 200 square miles. Gauge: Recording. Measurement of Discharge: From cableway. Period of Record:
 October 1956 to date. Extremes Recorded: Daily - Maximum, 11 May 1960, 2,900 cfs, Minimum, 11 and 12 September 1960, 39.4 cfs; instantaneous Maximum - 12:30 p.m., 11 May 1960, 2,900 cfs. Remarks: Records excellent under open-water conditions; fair during periods of ice effect and estimated flows.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	836e	526	907	435	320	149	115	989	975	288	131	324
2.....	810	509	862	410	280	149	123	1,040	933	288	137	374
3.....	789	515	823	387	261	149	131	1,150	920	300	126	369
4.....	768	487	768	365	300	144	194	1,270	894	288	123	369
5.....	747e	471	761	342b	342	140	597	1,300	888	288	120	365
6.....	704	460	728	320e	387	135	652b	1,290	849	273	120	356
7.....	674	487	710	312	410	140	630	1,330	816	269	120	342
8.....	636	775e	680	304	365	145	548	1,470	775	265	130	324
9.....	608	875	647	292	320	140	531	1,630	740	284	138	292
10.....	575	842	619	280	300	140	548	1,600	722	304	140	284
11.....	548	975	570b	273	280	140	564	1,530	761	288	137	269
12.....	526	1,250	542	261	261	140	531	1,490	789	276	135	261
13.....	509	1,390	515	254	243	158	537	1,490	789	261	135	250
14.....	493	1,340	487	243	226	169	531	1,560	768	250	128	273
15.....	465	1,250	460	233	209	158	498	1,680	747	233	123	300
16.....	430	1,170	410	233	194	149	482	1,800	722	223	125	296
17.....	430	1,090	387	261	180	144	465	1,800	674	212	125	265
18.....	450	975	410	320	206	140	450	1,710	647	209	142	258
19.....	526	907e	435	308	226	135	460	1,580	619	200	144	247
20.....	542	868	487	320e	243	131	531	1,490	692	192	145	233
21.....	509	855	450	288	209	128	564	1,400	548	186	144	226
22.....	487	836	410	603	194	123	520	1,320	526	178	142	229
23.....	465	768	387	338	189	140	531	1,250	504	171	144	229
24.....	435	722	365	300	180	131	614	1,250	445	169	138	243
25.....	410	674	342	261b	169	128	641	1,210	415	169	140	300
26.....	392	614	342	243	158	123	663	1,150	396	156	138	304
27.....	387	704	320	226	153	123	816	1,100	378	151	138	288
28.....	374	722	300	209	149	115	842	1,070	365	145	151	280
29.....	396	747	342	243	-	112	868	1,050	351	140	258	265
30.....	440	888	435	280	-	108	927	1,040	338	137	308	240
31.....	498	-	460	342	-	108	-	996	-	135	308	-
Mean	544	823e	528	306e	248	137	537	1,410	666	223	149	288
Per sq. mi.	2.72	4.11	2.64	1.53	1.24	0.68	2.68	7.05	3.33	1.12	0.75	1.44
Acre-feet	33,440	48,970	32,450	18,820	13,790	8,400	31,940	86,710	39,640	13,740	9,190	17,170

The Year.....Discharge: Daily - Maximum 16 and 17 May, 1,800
 - Minimum 30 and 31 March, 108
 Instantaneous Maximum 2 a.m., 17 May, 1,810
 Mean 489; Per Square Mile 2.45
 Runoff: Acre-feet 354,300; Depth in inches on drainage area 33.21

b - Ice conditions 11 December to 5 January and 25 January to 6 April.
 e - Estimated 1 to 5 October, 8 to 19 November and 6 to 20 January.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	233	548	1,150	365	194	<u>280</u>	<u>149</u>	<u>740</u>	<u>907</u>	<u>312</u>	<u>128</u>	55
2.....	236	663	1,070	365	180	276	153	782	849	288	125	56
3.....	233	722	1,010	410b	209	265	158b	855	803	276	126	47
4.....	233	716	947	592	194	261	162	901	747	273	117	46.3
5.....	226	716	875	603	180	243	200	954	698	261	114	49.4
6.....	216	734	823	<u>663</u>	387	236	351	1,130	674	243	112	45.6
7.....	209	734	768	625b	<u>515</u>	226b	392	1,580	647	226	111	44.2
8.....	206	722	796	597	410	209	401	1,740	614	216	109	44.2
9.....	<u>194</u>	722	855	570	226b	194	405	2,030	575	212	115	40.7
0.....	203	722	789	542	197	180	410	2,810	548	203	107	44.2
11.....	212	692	754	515	192	209b	401	<u>2,900</u>	515	192	102	<u>39.4</u>
12.....	229	680	710	487	180	223	405	2,860	482	194	98	39.4
13.....	250	647	692	460	<u>176</u>	216	378	2,770	531	197	96	46.3
14.....	265	603	1,100	435	186	203	365	2,580	553	197	94	86
15.....	261	603	<u>1,190</u>	410	247	194b	360	2,420	548	183	91	118
16.....	254	581	1,110	387b	392	180	333	2,670	537	178	85	123
17.....	243	592	1,060	351	430	169	324	2,810	520	173	77	125
18.....	292	592	982	342	460	149	369	2,650	498	171	76	128
19.....	401	504	901	312	401	180	504	2,420	471	167	76	126
20.....	378	476	836	296	374	194	553	2,300	450	173	73	125
21.....	378	460	710b	280	360	180	531	2,170	435	169	73	131
22.....	365	455	680	269	356	169	520	1,930	405	154	70	137
23.....	365	415	652	261	356	158	498	1,740	383	156	72	<u>142</u>
24.....	374	<u>392</u>	597	243b	342	169	471	1,570	369	154	78	142
25.....	387	440	570	226	324	180	455	1,420	378	151	76	140
26.....	392	747	542	226	316	169	440	1,300	356	149	66	138
27.....	374	803	515	243	316	158	430	1,220	329	145	64	137
28.....	401	803	460	226	300	149	487	1,150	338	142	62	133
29.....	<u>592</u>	975	435	<u>209</u>	280	140	597	1,080	333	140	60	133
30.....	564	<u>1,190</u>	410	243	-	<u>131</u>	<u>680</u>	1,010	<u>320</u>	<u>133</u>	59	137
31.....	542	-	<u>387</u>	226	-	140	-	954	-	137	<u>55</u>	-
Mean	313	655	786	386	299	194	396	1,790	527	192	89	93
Per sq.mi.	1.57	3.27	3.93	1.93	1.50	0.97	1.98	8.94	2.63	0.96	0.45	0.47
Acre-feet	19,260	38,970	48,350	23,760	17,220	11,960	23,570	110,000	31,360	11,830	5,490	5,550

The Year.....Discharge: Daily - Maximum 11 May, 2,900
 - Minimum 11 and 12 September, 39.4
 Instantaneous Maximum 12:30 p.m., 11 May, 2,900
 Mean 478; Per Square Mile 2.39
 Runoff: Acre-feet 347,300; Depth in inches on drainage area 32.56

b - Ice conditions 21 December to 3 January, 7 to 16 January, 24 January to 9 February, 7 to 11 March and 15 March to 3 April.

Location: Lat. 49° 09' 43", long. 57° 25' 28", Newfoundland, at Deer Lake power house of the Bowater Power Company Limited. Drainage Area: 1,850 square miles. Period of Record: Periods of varying length November 1898 to April 1908; August 1914 to date. Average Discharge: (51 years) - 5,040 cfs. Revisions: Drainage area, W.R.P. 120. Remarks: Records supplied by the Bowater Power Company Limited from operating data.

Monthly Summary of Storage, Outflow and Runoff for Water Years 1958-59 and 1959-60

Month	Storage Level at End of Monthly Period	Volume of Live Storage	Storage Change + or -		Effect of Change in Upstream Storage	Recorded Outflow	Monthly Runoff		
				Equiva- lent in			Mean	Per Square Mile	Depth in
	Feet	Acre-feet	Acre-feet	cfs	cfs	cfs	cfs	cfs	Inches
1958-59									
(Sept.)	-	-	-	-	-	-	-	-	-
October.....	-	-	- 6,100	- 99	-	4,330	4,230	2.29	2.64
November.....	-	-	+188,500	+ 3,170	-	4,370	7,540	4.08	4.55
December.....	-	-	- 79,400	- 1,290	-	4,540	3,250	1.76	2.02
January.....	-	-	-174,500	- 2,840	-	4,680	1,840	0.99	1.15
February.....	-	-	-186,300	- 3,360	-	4,700	1,340	0.72	0.75
March.....	-	-	-217,000	- 3,530	-	4,710	1,180	0.64	0.74
April	-	-	+ 62,500	+ 1,050	-	4,510	5,560	3.00	3.35
May.....	-	-	+463,000	+ 7,530	-	4,630	12,200	6.59	7.60
June	-	-	+ 22,800	+ 383	-	3,800	4,180	2.26	2.52
July.....	-	-	-161,000	- 2,620	-	4,590	1,970	1.06	1.23
August.....	-	-	-181,000	- 2,940	-	4,250	1,310	0.71	0.82
September	-	-	- 98,800	- 1,660	-	4,420	2,760	1.49	1.66
The Year.....	-	-	-	-	-	-	3,960	2.14	29.03
1959-60									
October.....	-	-	- 94,100	- 1,530	-	4,580	3,050	1.65	1.90
November.....	-	-	+148,800	+ 2,500	-	4,380	6,880	3.72	4.15
December.....	-	-	+113,700	+ 1,850	-	4,870	6,720	3.63	4.19
January.....	-	-	-209,100	- 3,400	-	5,170	1,770	0.96	1.10
February.....	-	-	-144,900	- 2,520	-	5,460	2,940	1.59	1.71
March.....	-	-	-254,600	- 4,140	-	5,300	1,160	0.63	0.72
April	-	-	+ 36,480	+ 613	-	4,460	5,070	2.74	3.06
May.....	-	-	+756,300	+12,300	-	4,300	16,600	8.97	10.34
June	-	-	- 53,200	- 894	-	4,440	3,550	1.92	2.14
July.....	-	-	-158,000	- 2,570	-	4,480	1,910	1.03	1.19
August.....	-	-	-225,700	- 3,670	-	4,410	740	0.40	0.46
September	-	-	-174,900	- 2,940	-	4,230	1,290	0.70	0.79
The Year.....	-	-	-	-	-	-	4,310	2.33	31.75

INDIAN RIVER AT INDIAN FALLS - STATION No. 2YM₁

Location: Lat. 49° 30' 43", long. 56° 06' 45", Newfoundland, approximately three miles from the town of Springdale.
 Drainage Area: 376 square miles. Gauge: Recording. Measurement of Discharge: From cableway. Period of Record: October 1954 to date. Average Discharge: (5 years) - 769 cfs. Extremes Recorded: Daily - Maximum, 11 May 1960, 8,280 cfs, Minimum, 13 September 1960, 29.5 cfs; Instantaneous Maximum - 10 p.m., 10 May 1960, 9,290 cfs. Revisions: Drainage area, W.R.P. 130. Remarks: Records excellent except those under ice conditions which are fair.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	2,410	614	800	270	132	125	210	2,180	618	252	90	388
2.....	1,850	614	850	260	125	118	270	2,160	570	244	101	443
3.....	1,430	594	820	240	118	112	295	2,120	526	246	98	526
4.....	1,170	558	725	220	132	112	400	2,330	526	252	91	474
5.....	1,000	526	725	210	220	118	730b	2,530	498	252	88	439
6.....	883	494	740	200	270	132	1,170	2,360	458	258	90	412
7.....	770	474	872	200	230	125	1,830	2,130	446	246	90	370
8.....	690	510	938	190	180	118	2,430	2,150	446	240	113	325
9.....	626	705	861	190	147	112	2,570	2,440	466	244	182	280
10.....	574	833	820b	190	132	106	2,180b	2,470	454	260	222	248
11.....	554	1,500	770	180	125	100	1,940	2,200	546	264	228	226
12.....	570	2,290	720	180	118	95	1,720	1,970	760	260	208	210
13.....	586	2,080	672	170	112	112	1,500	1,860	785	242	196	200
14.....	574	1,710	650	162	112	155	1,370	1,840	715	238	182	192
15.....	554	1,380	630	155	106	147	1,240	1,880	614	242	161	192
16.....	526	1,190	610	147	118	140	1,120	2,000	550	232	149	200
17.....	502	1,060	590	162	125	147	982	2,210	502	218	140	210
18.....	494	933	550	180	132	155	845	2,160	454	202	141	212
19.....	594	850	530	190	147	147	872b	1,940	406	188	150	206
20.....	715	825	550b	190	162	132	1,060	1,720	379	170	153	194
21.....	730	856	554	200	155	132	1,300	1,530	367	158	152	182
22.....	681	850	466	210	147	140	1,420	1,360	346	153	146	184
23.....	614	861	432b	282	162	147	1,360	1,290	328	143	141	180
24.....	570	810	415	260	170	147	1,450	1,210	334	137	141	186
25.....	530	770	400	250	155	170	1,580	1,100	319	129	140	228
26.....	486	720	385	230	147	190	1,580	1,000	290	131	137	328
27.....	446	672	355	190	140	200	1,770	905	272	122	128	394
28.....	412	672	340	170	132	200	2,090	845	264	121	137	379
29.....	418	715	325	155	-	190	2,170	780	262	112	186	340
30.....	502	705	310	147	-	180	2,150	700	254	104	325	304
31.....	582	-	282	140	-	180	-	654	-	95	403	-
Mean	743	912	603	197	148	141	1,390	1,740	458	198	158	288
Per sq. mi.	1.98	2.43	1.60	0.52	0.39	0.38	3.69	4.63	1.22	0.53	0.42	0.77
Acre-feet	45,700	54,290	37,060	12,140	8,230	8,700	82,520	107,200	27,280	12,210	9,740	17,160

The Year.....Discharge: Daily - Maximum 9 April, 2,570

- Minimum 5 August, 88

Instantaneous Maximum 9 p.m., 9 April, 2,710

Mean 583; Per Square Mile 1.55

Runoff: Acre-feet 422,200; Depth in inches on drainage area 21.05

b - Ice conditions 10 to 20 December, 23 December to 5 April and 10 to 19 April.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	270	677	<u>2,350</u>	610	250	470	<u>340</u>	2,710	<u>1,640</u>	<u>290</u>	<u>126</u>	45.0
2.....	268	677	1,910	550	270	490	370	2,740	1,470	282	113	43.6
3.....	230	755	1,530	510	295	510	400	2,740	1,300	256	112	40.8
4.....	218	785	1,290	610	282	530	432	2,830	1,170	244	111	38.0
5.....	210	755	1,140	<u>770</u>	270	550	470	2,970	1,100	230	104	36.8
6.....	196	745	1,010	695	250	550	610	3,300	1,040	224	97	33.8
7.....	188	820	933	590	<u>240</u>	510	900	4,460	1,000	228	97	32.6
8.....	176	835	922	470	295	490	1,120	6,030	911	230	90	32.0
9.....	168	830	1,080	400	325	470	1,240	6,240	878	220	88	31.5
10.....	<u>167</u>	850	1,170	370	325	450	1,180	8,060	810	210	94	31.0
11.....	180	845	1,090	355	310	530	1,120	<u>8,280</u>	710	198	90	31.0
12.....	196	805	916	415	295	<u>570</u>	1,010	6,160	630	190	84	30.5
13.....	248	740	922	385	282	550	955	5,050	690	192	78	<u>29.5</u>
14.....	358	663	1,100	370	270	530	900	4,490	845	206	71	70
15.....	385	630	1,660	355	295	490	795	4,300	810	204	71	141
16.....	376	614	1,830	340	400	450	770	5,310	705	190	69	<u>204</u>
17.....	246	626	1,610	325	590	415	745	6,030	618	180	68	204
18.....	334	634	1,470b	355	672	400	795	5,250	566	170	65	182
19.....	494	590b	1,400	400	<u>695</u>	385	845	4,480	526	155	61	159
20.....	650	550	1,370	432	650	370	1,090b	3,980	486	149	60	144
21.....	614	530	1,300	450	570	355	1,360	3,910	443	158	59	131
22.....	542	490	1,240	470	590	340	1,370	3,760	406	164	58	124
23.....	470	450b	1,180	432	630	295	1,270	3,320	382	155	58	117
24.....	415	<u>443</u>	1,090	400	630	325	1,170	2,960	355	152	56	112
25.....	385	458	1,010	355	590	340	1,090	2,690	343	158	55	110
26.....	355	750	927	325	530	340	1,060	2,560	358	180	55	101
27.....	340	1,070	845	310	490	325	1,050	2,430	361	186	54	93
28.....	361	988	795	295	470	310	1,170	2,210	346	170	54	87
29.....	654	1,060	745	282	450	295	1,700	2,040	322	156	52	81
30.....	<u>878</u>	<u>2,000</u>	695	270	-	<u>282</u>	<u>2,360</u>	1,930	<u>295</u>	147	51	78
31.....	795	-	<u>650</u>	<u>260</u>	-	295	-	<u>1,800</u>	-	<u>137</u>	<u>47.8</u>	-
Mean	367	755	1,200	424	421	426	990	4,030	717	194	76	86
Per sq.mi.	0.97	2.01	3.19	1.13	1.12	1.13	2.63	10.73	1.91	0.52	0.20	0.23
Acre-feet	22,550	44,950	73,740	26,100	24,220	26,210	58,880	248,000	42,670	11,920	4,660	5,150

The Year.....Discharge: Daily - Maximum 11 May, 8,280
- Minimum 13 September, 29.5
Instantaneous Maximum 10 p.m., 10 May, 9,290
Mean 811; Per Square Mile 2.16
Runoff: Acre-feet 589,000; Depth in inches on drainage area 29.37

b - Ice conditions 19 to 23 November and 18 December to 20 April.

LITTLE GRAND LAKE RIVER AT LITTLE GRAND LAKE - STATION No. 2YK₂

Location: Lat. 48° 37' 17", long. 57° 55' 38", Newfoundland, at the outlet of Little Grand Lake, approximately two miles from Grand Lake. Drainage Area: 180 square miles. Gauge: Recording. Measurement of Discharge: From cableway. Period of Record: Periods of varying length November 1952 to March 1955 and continuous July 1955 to date. Average Discharge: (5 years) - 584 cfs. Extremes Recorded: Daily - Maximum, 4 October 1957, 3,320 cfs, Minimum, 22 and 23 August, and 4 September 1960, 40.0 cfs; Instantaneous Maximum - 11.30 p.m., 13 December 1957, 3,480 cfs. Revisions: Drainage area, W.R.P. 130. Remarks: Records excellent except for estimated flows which are good.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	1,450	568	1,050	237	290	}	130	1,600	1,010	215	109	596
2.....	1,390	576	1,060	222	275		127	1,650	944	212	115	652
3.....	1,280	584	989	217	270		127	1,690	899	212	117	720
4.....	1,140	580	904	215	270		142	1,680	1,040	210	132	708
5.....	1,010	556	854	212	275		195	1,650	1,140	210	137	648
6.....	868	536	818	205	272	}	325	1,580	1,070	200	135	596
7.....	778	524	800	200	290		587	1,600	985	200	132	528
8.....	696	930	769	195	292		861	1,790	886	205	130	464
9.....	628	1,390	748	190	290		976	2,040	805	210	130	403
10.....	584	1,480	708	190	285		967	2,000	752	270	140	364
11.....	544	2,290	664	190	272	}	908	1,800	724	301	142	325
12.....	524	2,750	624	190			841	1,690	756	301	145	295
13.....	516	2,470	592	190			764	1,720	764	292	145	272
14.....	506	2,090	552	185			684	1,750	736	282	142	258
15.....	499	1,760	513	182			604	1,880	692	267	142	249
16.....	467	1,520	485	175		} 160e	548	2,000	636	252	145	252
17.....	464	1,340	453	177			492	1,980	584	235	142	255
18.....	510	1,160	432	202			467	1,810	536	217	155	261
19.....	894	1,060	415	227			450	1,650	485	207	177	270
20.....	1,140	994	394	272			471	1,510	453	197	207	275
21.....	1,140	989	379	301	220e	}	536	1,450	412	197	217	270
22.....	1,070	985	355	325			608	1,370	388	192	217	270
23.....	985	944	340	358			632	1,370	373	185	217	275
24.....	895	890	325	355			668	1,380	343	175	215	287
25.....	809	841	310	358			782	1,280	322	165	212	379
26.....	732	782	298	361		}	886	1,190	295	142	202	524
27.....	668	748	287	355			1,070	1,130	285	140	192	548
28.....	616	736	275	346			1,340	1,120	267	137	190	520
29.....	580	796	270	325	-		1,470	1,100	249	130	255	478
30.....	568	922	258	310	-		1,530	1,040	237	120	467	432
31.....	568	-	243	301	-		-	1,040	-	115	580	-
Mean	791	1,130	554	251	244e	160e	673	1,570	636	206	186	412
Per sq. mi.	4.39	6.26	3.08	1.39	1.35	0.89	3.74	8.70	3.53	1.15	1.04	2.29
Acre-feet	48,630	67,020	34,040	15,410	13,530	9,840	40,040	96,280	37,820	12,680	11,470	24,540

The Year.....Discharge: Daily - Maximum 12 November, 2,750

- Minimum 1 August, 109

Instantaneous Maximum 4 a.m., 12 November, 2,810

Mean 568; Per Square Mile 3.16

Runoff: Acre-feet 411,300; Depth in inches on drainage area 42.84

e - Estimated 12 February to 31 March.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	403	684				<u>255</u>				<u>285</u>	<u>132</u>	54
2.....	379	696				246				270	120	48.5
3.....	355	760				240				264	117	45.1
4.....	334	748				232				264	115	<u>40.0</u>
5.....	319	716				227				261	111	41.7
6.....	301	791				215				258	107	43.4
7.....	285	917e				202				255	103	43.4
8.....	270	985				195				255	101	43.4
9.....	249	1,010				190				252	99	41.7
10.....	<u>240</u>	985				182			620e	249	97	41.7
11.....	243	917				177				246	95	48.5
12.....	258	827e				170				246	91	55
13.....	295	756				165				243	83	59
14.....	352	688				160				237	77	77
15.....	391	632	715e	340e	296e	152e	375e	1,600e		235	75	120
16.....	400	620				145				227	62	170
17.....	394	608				142				220	57	222
18.....	450	540				140				215	55	280
19.....	704	499				137				212	54	340
20.....	796	467				127				210	45.1	388
21.....	760	422				122				197	41.7	382
22.....	704	385e				120			488	192	<u>40.0</u>	425
23.....	640	355				117			460	187	40.0	<u>446</u>
24.....	584	<u>340</u>				117			439	182	57	422
25.....	568	355				115			409	172	61	394
26.....	548	502				120			364	165	61	364
27.....	513	640				117			355	165	62	331
28.....	528	720				115			343	160	62	298
29.....	724	850				115			325	150	57	275
30.....	<u>800</u>	<u>1,030</u>			-	<u>113</u>			<u>301</u>	142	57	258
31.....	744	-			-	115			-	<u>140</u>	55	-
Mean	469	681e	715e	340e	296e	161e	375e	1,600e	550e	218	77	193
Per sq.mi.	2.60	3.79	3.97	1.89	1.64	0.89	2.08	8.89	3.06	1.21	0.43	1.07
Acre-feet	28,820	40,550	43,960	20,910	17,030	9,890	22,310	98,380	32,730	13,400	4,740	11,500

The Year.....Discharge: Daily - Minimum 22 and 23 August and 4 September 40.0
Mean 474; Per Square Mile 2.63
Runoff: Acre-feet 344,200; Depth in inches on drainage area 35.86

e - Estimated 7 to 12 November, 22 November to 15 March and 1 April to 21 June.

Location: Lat. 48° 48' 28", long. 54° 13' 28", Newfoundland, between falls located about one mile from river mouth.
 Drainage Area: 106 square miles. Gauge: Staff, read daily. Measurement of Discharge: From cableway. Period of
 Record: February 1959 to date. Extremes Recorded: Daily - Maximum, 16 May 1960, 1,080 cfs, Minimum, 30 September
 1960, 7.1 cfs. Remarks: Records good except those under ice conditions which are fair.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	-	-	-	-	154b	99	80	509	219	136	53	58
2.....	-	-	-	-	150	95	86b	505	219	117	48.0	57
3.....	-	-	-	-	145	92	95	501	195	117	43.0	58
4.....	-	-	-	-	154	90	106	494	195	117	39.4	57
5.....	-	-	-	-	163	86	237	494	191	110	50	57
6.....	-	-	-	-	154	82	258	497	189	113	43.0	57
7.....	-	-	-	-	145	80	325	494	184	110	35.8	36.7
8.....	-	-	-	-	136	78	415	486	189	106	31.6	56
9.....	-	-	-	-	128	74	446	486	184	105	37.6	56
10.....	-	-	-	-	120	68	422	494	214	103	34.0	54
11.....	-	-	-	-	113	63	432	505	214	105	31.6	52
12.....	-	-	-	-	106	60	432	479	219	105	31.6	52
13.....	-	-	-	-	102	63	432	468	227	105	30.0	51
14.....	-	-	-	-	99	66	411	457	227	92	26.8	48.0
15.....	-	-	-	-	95	68	341	443	229	90	22.5	48.0
16.....	-	-	-	-	92	80	341	432	227	87	22.5	45.0
17.....	-	-	-	-	89	86	347	422	227	84	23.9	45.0
18.....	-	-	-	-	86	80	341	418	219	80	26.8	43.0
19.....	-	-	-	-	113	78	337	415	214	81	32.4	39.4
20.....	-	-	-	-	136	74	344	397	195	72	36.7	38.5
21.....	-	-	-	-	154	72	439	380	184	65	38.5	38.5
22.....	-	-	-	-	145	68	446	341	173	60	36.7	39.4
23.....	-	-	-	-	136	72	472	367	167	48.0	32.4	42.1
24.....	-	-	-	-	128	74	490	347	173	53	30.0	43.0
25.....	-	-	-	-	120	74	513	315	163	51	29.2	43.0
26.....	-	-	-	-	113	74	520	285	156	58	29.2	43.0
27.....	-	-	-	-	106	72	524	266	145	51	32.4	42.1
28.....	-	-	-	-	103	68	524	245	128	58	39.4	37.6
29.....	-	-	-	-	-	66	524	232	128	68	48.0	39.4
30.....	-	-	-	-	-	72	513	219	128	61	46.0	38.5
31.....	-	-	-	-	-	74	-	232	-	58	53	-
Mean	-	-	-	-	124	76	373	407	191	86	36.0	47.2
Per sq. mi.	-	-	-	-	1.17	0.71	3.52	3.84	1.80	0.81	0.34	0.44
Acre-feet	-	-	-	-	6,910	4,660	22,200	25,040	11,350	5,290	2,210	2,810

The Period.....Discharge: Daily - Maximum 27 to 29 April, 524
 (242 days) - Minimum 15 and 16 August, 22.5
 Mean 168; Per Square Mile 1.58

Runoff: Acre-feet 80,500; Depth in inches on drainage area 14.23

b - Ice conditions 1 February to 2 April.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	38.5	<u>113</u>	<u>300</u>	99	163	<u>486</u>	184	615	<u>404</u>	<u>195</u>	46.0	55
2.....	37.6	149	291	92	154	468	<u>176</u>	644	360	184	46.0	57
3.....	<u>36.7</u>	165	258	128	163	432	180	648	354	178	46.0	<u>73</u>
4.....	37.6	195	271	154	154	415	176	670	354	171	46.0	68
5.....	39.4	227	266	145	145	415	184	702	347	161	47.0	63
6.....	38.5	245	255	128	<u>136</u>	415	245	712	309	149	47.0	59
7.....	37.6	271	245	113	145	397	318	736	321	142	47.0	56
8.....	40.3	315	248	99	154b	380	347	760e	282	130	<u>49.0</u>	51
9.....	48.0	350	245	92	169	363	397	811	271	125	48.0	39.4
10.....	53	383	245	<u>86</u>	171	347	404	892	271	122	45.0	27.6
11.....	53	432	232b	99	176	363	415	949	261	113	41.2	9.2
12.....	54	<u>436</u>	219b	113	173	397	411	1,010	242	116	39.4	9.2
13.....	65	432	232b	120	178	380	411	1,010e	245	119	38.5	9.2
14.....	65	425	245	128	184	363	380	1,030	232	114	38.5	8.5
15.....	62	422	258	136b	184	331b	394	1,030	224	113	38.5	9.9
16.....	62	415	263	150	195	300	380	<u>1,080</u>	214	113	38.5	9.9
17.....	63	415	271	150	184b	303	357	1,030e	212	107	33.2	9.9
18.....	68	415	232	154	173b	294	341	961e	212	103	33.2	9.9
19.....	71	408	163	176	163b	300	334	909	212	98	31.6	9.9
20.....	74	404	154b	193	184b	277	436	909	214	90	31.6	9.9
21.....	74	383	145	224	271b	264	450	864	209	80	30.0	9.2e
22.....	72	377	136	235	415	271	432	746	217	76	31.6	8.5
23.....	72	325	128	<u>245</u>	602	264	422	746	212	72	33.2	9.9
24.....	73	294	113	240	<u>615</u>	253	429	756	217	72	34.0	12.0
25.....	72	285	<u>99</u>	242	582b	232	415	726	222	68	32.4e	14.4
26.....	73	297	106	232	562	207	397	717	224	67	31.6	13.8
27.....	73	285	113	222	543	200	387	670	219	68	<u>30.0</u>	13.8
28.....	74	274	120	212	524	195	450	644	219	72	39.4	12.0
29.....	86	285	120	195b	486	195	535	590	217	72	39.4	9.2
30.....	<u>99</u>	294	113	184	-	189	<u>562</u>	494	<u>202</u>	74	43.0	<u>7.1</u>
31.....	98	-	106	173	-	<u>176</u>	-	<u>418</u>	-	<u>55</u>	49.0	-
Mean	62	324	200	160	274	318	365	790	257	110	39.5	25.1
Per sq.mi.	0.58	3.05	1.88	1.51	2.58	3.00	3.44	7.45	2.42	1.04	0.37	0.24
Acre-feet	3,790	19,270	12,280	9,840	15,760	19,580	21,710	48,550	15,270	6,780	2,430	1,500

The Year.....Discharge: Daily - Maximum 16 May, 1,080
 - Minimum 30 September, 7.1
 Mean 243; Per Square Mile 2.30
 Runoff: Acre-feet 176,800; Depth in inches on drainage area 31.27

b - Ice conditions 20 December to 15 January, 29 January to 8 February, 25 February to 15 March and as indicated.
 e - Estimated 8 to 13 May and as indicated.

Location: Lat. 47° 14' 58", long. 52° 53' 20", Newfoundland, at Mobile power house of the Newfoundland Light and Power Company Limited. Drainage Area: 43.4 square miles. Period of Record: February 1951 to date. Average Discharge: (9 years) - 198 cfs. Revisions: Drainage area, W.R.P. 130. Remarks: Records supplied by Montreal Engineering Company Limited in co-operation with Newfoundland Light and Power Company Limited from operating data.

Monthly Summary of Storage, Outflow and Runoff for Water Years 1958-59 and 1959-60

Month	Storage Level at End of Monthly Period	Volume of Live Storage	Storage Change + or -		Effect of Change in Upstream Storage	Recorded Outflow	Monthly Runoff		
				Equiva- lent in			Mean	Per Square Mile	Depth in
	Feet	Acre-feet	Acre-feet	cfs	cfs	cfs	cfs	cfs	Inches
1958-59									
(Sept.)	492.8	1,010	-	-	-	-	-	-	-
October.....	492.6	896	-114	- 1.9	-106	247	139	3.20	3.69
November.....	493.2	1,240	+344	+ 5.8	- 23.2	251	234	5.39	6.02
December.....	493.3	1,300	+ 60	+ 1.0	- 34.7	209	175	4.03	4.65
January	492.5	841	-459	- 7.5	0.0	114	106	2.44	2.82
February	492.6	896	+ 55	+ 1.0	+ 42.1	160	203	4.68	4.87
March	491.6	333	-563	- 9.1	- 84	180	87	2.00	2.31
April	493.0	1,120	+787	+13.2	+194	175	382	8.80	9.82
May	492.1	611	-509	- 8.3	+170	122	284	6.54	7.54
June.....	492.2	670	+ 59	+ 1.0	- 75	233	159	3.66	4.09
July.....	491.6	333	-337	- 5.5	- 22.6	73	45	1.04	1.19
August	491.0	0	-333	- 5.4	- 51	54	0	0.00	0.00
September.....	492.6	897	+897	+15.1	-151	259	123	2.83	3.16
The Year	-	-	-	-	-	-	160	3.69	50.16
1959-60									
October	492.2	671	-226	- 3.7	-115	201	82	1.89	2.18
November.....	493.0	1,130	+459	+ 7.7	+265	176	449	10.35	11.54
December.....	494.1	1,760	+633	+10.3	+ 17.4	177	205	4.72	5.45
January	493.7	1,530	-230	- 3.7	- 52	185	129	2.97	3.43
February	493.8	1,580	+ 50	+ 0.9	+168	185	354	8.16	8.80
March	494.0	1,700	+120	+ 1.9	+ 3.6	179	185	4.26	4.91
April	492.6	897	-803	-13.4	+198	123	308	7.10	7.92
May.....	492.7	956	+ 59	+ 1.0	+112	175	288	6.64	7.65
June.....	492.6	897	- 59	- 1.0	-120	213	92	2.12	2.36
July.....	492.5	841	- 56	- 0.9	-176	236	59	1.36	1.57
August	492.9	1,070	+229	+ 3.7	-180	282	106	2.44	2.81
September.....	493.1	1,190	+120	+ 2.0	-156	215	61	1.40	1.57
The Year.....	-	-	-	-	-	-	192	4.42	60.19

Location: Lat. 54° 06' 42", long. 63° 13' 30", Newfoundland, Drainage Area: 3,470 square miles. Gauge: Recording. Measurement of Discharge: From cableway. Period of Record: June to October 1955 and July 1956 to date. Extremes Recorded: Daily - Maximum, 19 to 21 June 1959, 14,800 cfs, Minimum, 21 April to 1 May 1959 and 5 to 7 May 1960, 4,390 cfs; Instantaneous Maximum - 10 a.m., 29 June 1959, 14,800 cfs. Remarks: Records excellent except those under ice conditions which are fair.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	11,400	9,030	7,350	6,090	5,310	4,820	4,520	4,390	11,100b	14,200	11,900	10,100
2.....	11,400	8,970	7,330	6,040	5,280	4,820	4,500	4,440	11,500	14,100	11,900	10,100
3.....	11,200	8,920	7,270	6,010	5,250	4,790	4,500	4,500	12,000	14,000	12,100	10,100
4.....	11,200	8,830	7,240	5,980	5,230	4,790	4,500	4,550	12,400	13,900	12,100	9,940
5.....	11,100	8,770	7,190	5,960	5,200	4,790	4,500	4,610	12,700	13,900	12,000	9,910
6.....	11,100	8,710	7,130	5,930	5,200	4,770	4,470	4,660	12,900	13,800	11,900	9,850
7.....	11,000	8,660	7,100	5,900	5,170	4,770	4,470	4,710	13,100	13,700	11,900	9,760
8.....	10,900	8,600	7,050	5,870	5,150	4,740	4,470	4,850	13,300	13,600	11,800	9,850
9.....	10,700	8,540	7,020	5,850	5,150	4,740	4,470	4,930	13,400	13,500	11,700	9,850
10.....	10,600	8,480	6,960	5,820	5,120	4,740	4,470	5,070	13,500	13,500	11,600	9,640
11.....	10,600	8,420	6,930	5,790	5,090	4,710	4,440	5,200	13,600	13,400	11,500	9,550
12.....	10,600	8,370	6,880	5,770	5,060	4,710	4,440	5,340	13,700	13,300	11,500	9,410
13.....	10,600	8,310	6,850	5,740	5,060	4,710	4,440	5,470	13,900	13,200	11,500	9,320
14.....	10,500	8,250	6,790	5,740	5,040	4,690	4,440	5,610	14,000	13,100	11,400	9,210
15.....	10,500	8,220	6,740	5,710	5,040	4,690	4,440	5,740	14,300	13,000	11,300	9,320
16.....	10,400	8,170	6,710	5,690	5,010	4,690	4,420	5,880	14,500	12,800	11,200	9,350
17.....	10,300	8,110	6,680	5,660	5,010	4,690	4,420	6,010	14,600	12,700	11,100	9,260
18.....	10,300	8,050	6,630	5,630	4,980	4,660	4,420	6,150	14,700	12,600	11,000	9,120
19.....	10,100b	8,000	6,570	5,600	4,980	4,660	4,420	6,290	14,800	12,400	11,000	9,060
20.....	9,970	7,970	6,540	5,600	4,960	4,660	4,420	6,570	14,800	12,300	10,900	8,970
21.....	9,850	7,910	6,490	5,580	4,930	4,630	4,390	6,850	14,800	12,200	10,900	8,920
22.....	9,760	7,860	6,460	5,550	4,930	4,630	4,390	7,130	14,700	12,000	10,700	8,800
23.....	9,700	7,800	6,400	5,520	4,900	4,630	4,390	7,410	14,600	11,900	10,600	8,710
24.....	9,610	7,750	6,370	5,500	4,900	4,610	4,390	7,690	14,500	11,900	10,500	8,600
25.....	9,550	7,690	6,320	5,470	4,880	4,610	4,390	7,970	14,400	12,000	10,400	8,600
26.....	9,500	7,630	6,290	5,440	4,880	4,580	4,390	8,400	14,200	12,100	10,400	8,540
27.....	9,410	7,580	6,260	5,420	4,850	4,580	4,390	8,830	14,200	12,000	10,400	8,510
28.....	9,320	7,520	6,210	5,390	4,850	4,550	4,390	9,270	14,100	12,000	10,300	8,510
29.....	9,260	7,470	6,180	5,360	-	4,550	4,390	9,700	14,000	11,900	10,200	8,540
30.....	9,180	7,410	6,150	5,330	-	4,520	4,390	10,200	14,200	11,900	10,100	8,710
31.....	9,120	-	6,120	5,330	-	4,520	-	10,600	-	11,900	10,100	-
Mean	10,300	8,200	6,720	5,690	5,050	4,680	4,440	6,420	13,700	12,900	11,200	9,270
Per sq. mi.	2.96	2.36	1.93	1.64	1.45	1.35	1.28	1.85	3.96	3.71	3.22	2.67
Acre-feet	632,200	487,900	413,000	349,600	280,500	287,700	263,900	394,700	818,200	791,000	686,100	551,600

The Year.....Discharge: Daily - Maximum 19 to 21 June, 14,800
 - Minimum 21 April to 1 May, 4,390
 Instantaneous Maximum - 10 a.m., 29 June, 14,800
 Mean 8,230; Per Square Mile 2.37
 Runoff: Acre-feet 5,956,000; Depth in inches on drainage area 32.18

b - Ice conditions 19 October to 1 June.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	8,680	<u>9,060</u>	<u>7,610</u>	<u>6,510</u>	<u>5,630</u>	<u>5,150</u>	<u>4,770</u>	4,440	10,800	9,580	9,470	<u>9,090</u>
2.....	8,660	9,030	7,550	6,490	5,600	5,120	4,770	4,440	10,900b	<u>9,730</u>	9,440	9,270
3.....	8,600	8,970	7,470	6,460	5,600	5,120	4,740	4,420	11,000	9,730	9,550	9,350
4.....	8,540	8,920	7,440	6,400	5,580	5,090	4,740	<u>4,420</u>	<u>11,100</u>	9,580	<u>9,640</u>	9,380
5.....	8,510	8,830	7,380	6,370	5,550	5,090	4,710	<u>4,390</u>	11,000	9,700	9,640	9,440
6.....	8,480	8,770	7,350	6,350	5,520	5,060	4,710	4,390	10,900	9,670	9,550	9,470
7.....	8,450	8,710	7,330	6,290	5,520	5,060	4,690	4,390	10,900	9,700	9,500	9,500
8.....	8,370	8,660	7,270	6,260	5,500	5,060	4,690	4,470	10,900	9,670	9,470	9,640
9.....	8,310	8,600	7,240	6,230	5,470	5,040	4,690	4,580	11,000	9,670	9,470	9,530
10.....	8,220	8,540	7,190	6,210	5,470	5,040	4,660	4,710	11,100	9,640	9,410	9,380
11.....	8,170	8,510	7,160	6,150	5,440	5,010	4,660	4,850	11,100	9,640	9,410	9,320
12.....	<u>8,050</u>	8,450	7,130	6,120	5,420	5,010	4,630	4,930	11,000	9,550	9,410	9,350
13.....	8,170	8,390	7,100	6,090	5,390	5,010	4,630	5,070	10,900	9,580	9,350	9,410
14.....	8,220	8,340	7,070	6,070	5,390	4,980	4,630	5,250	10,800	9,640	9,320	9,730
15.....	8,250	8,280	7,050	6,010	5,360	4,980	4,610	5,470	10,800	9,610	9,350	10,000
16.....	8,280	8,250	7,020	5,980	5,360	4,960	4,610	5,630	10,800	9,610	9,320	10,000
17.....	8,280	8,190	6,990	5,960	5,330	4,960	4,580	5,790	10,700	9,550	9,410	10,100
18.....	8,250	8,140	6,960	5,930	5,330	4,930	4,580	6,070	10,600	9,530	9,380	10,100
19.....	8,400	8,080	6,930	5,900	5,310	4,930	4,580	6,290	10,600	9,470	9,320	10,100
20.....	8,420	8,030	6,880	5,870	5,280	4,930	4,550	6,570	10,500	<u>9,440</u>	9,320	10,100
21.....	8,340	8,000	6,850	5,850	5,280	4,900	4,550	6,850	10,400	9,500	9,290	10,200
22.....	8,370	7,940	6,820	5,820	5,250	4,900	4,550	7,130	10,300	9,610	9,260	10,200
23.....	8,280	7,910	6,770	5,790	5,230	4,880	4,520	7,410	10,300	9,610	9,290	10,200
24.....	8,220	7,890	6,740	5,770	5,230	4,880	4,520	7,690	10,200	9,610	9,260	10,200
25.....	8,250	7,830	6,710	5,740	5,200	4,880	4,520	8,110	10,100	9,580	9,260	10,200
26.....	8,540	7,770	6,650	5,740	5,200	4,850	4,500	8,540	10,000	9,550	9,210	10,200
27.....	8,830	7,720	6,630	5,710	5,170	4,850	4,500	8,980	10,000	9,550	9,180	<u>10,300</u>
28.....	9,030	7,690	6,600	5,690	5,170	4,820	4,500	9,270	9,880	9,580	9,210	10,300
29.....	9,120	7,660	6,570	5,690	<u>5,150</u>	4,820	<u>4,470</u>	9,700	9,730	9,580	9,180	10,300e
30.....	<u>9,180</u>	<u>7,630</u>	6,540	5,660	-	<u>4,790</u>	4,470	10,000	<u>9,550</u>	9,550	9,120	10,300e
31.....	9,120b	-	<u>6,510</u>	<u>5,630</u>	-	4,790	-	<u>10,500</u>	-	9,470	<u>9,090</u>	-
Mean	8,470	8,290	7,020	6,020	5,380	4,960	4,610	6,280	10,600	9,600	9,360	9,820
Per sq.mi.	2.44	2.39	2.02	1.74	1.55	1.43	1.33	1.81	3.05	2.77	2.70	2.83
Acre-feet	520,800	493,500	431,400	370,400	309,300	305,200	274,400	386,300	630,500	590,000	575,400	584,500

The Year.....Discharge: Daily - Maximum 4, 10 and 11 June, 11,100

- Minimum 5 to 7 May, 4,390

Instantaneous Maximum 6 p.m., 10 June, 11,100

Mean 7,540; Per Square Mile 2.17

Runoff: Acre-feet 5,472,000; Depth in inches on drainage area 29.57

b - Ice conditions 31 October to 2 June.

e - Estimated.

Location: Lat. 48° 01' 08", long. 53° 12' 20", Newfoundland, at New Chelsea power house of the United Towns Electric Company Limited. Drainage Area: 28.0 square miles. Period of Record: February 1957 to date. Remarks: Records supplied by the United Towns Electric Company Limited from operating data.

Monthly Summary of Storage, Outflow and Runoff for Water Years 1958-59 and 1959-60

Month	Storage Level at End of Monthly Period	Volume of Live Storage	Storage Change + or -		Effect of Change in Upstream Storage	Recorded Outflow	Monthly Runoff		
				Equiva- lent in			Mean	Per Square Mile	Depth in
	Feet	Acre-feet	Acre-feet	cfs	cfs	cfs	cfs	cfs	Inches
1958-59									
(Sept.)	-	12,160	-	-	-	-	-	-	-
October	-	6,010	-6,150	-100	-	141	41	1.46	1.69
November	-	4,710	-1,300	- 21.8	-	111	89	3.18	3.55
December	-	4,510	- 200	- 3.3	-	79	76	2.71	3.13
January	-	2,900	-1,610	- 26.1	-	52	25.9	0.92	1.07
February	-	5,050	+2,150	+ 38.7	-	52	91	3.25	3.38
March	-	4,410	- 640	- 10.5	-	37.9	27.4	0.98	1.13
April	-	12,260	+7,850	+132	-	32.0	164	5.86	6.53
May	-	20,350	+8,090	+131	-	9.7	141	5.04	5.81
June	-	22,470	+2,120	+ 35.6	-	34.1	70	2.50	2.79
July	-	18,360	-4,110	- 67	-	77	10.0	0.36	0.41
August	-	13,340	-5,020	- 82	-	86	4.0	0.14	0.16
September	-	8,810	-4,530	- 76	-	88	12.0	0.43	0.48
The Year	-	-	-	-	-	-	62	2.22	30.13
1959-60									
October	-	4,390	-4,420	- 72	-	89	17.0	0.61	0.70
November	-	12,760	+8,370	+141	-	64	205	7.32	8.17
December	-	13,140	+ 380	+ 6.2	-	65	71	2.54	2.93
January	-	12,220	- 920	- 14.9	-	74	59	2.11	2.43
February	-	18,150	+5,930	+103	-	74	177	6.32	6.82
March	-	19,260	+1,110	+ 18.0	-	45.4	63	2.25	2.59
April	-	27,640	+8,380	+141	-	39.4	180	6.43	7.17
May	-	33,010	+5,370	+ 87	-	43.5	130	4.64	5.35
June	-	29,280	-3,730	- 63	-	63	0.0	0.00	0.00
July	-	23,980	-5,300	- 86	-	103	17.0	0.61	0.70
August	-	15,410	-8,570	-139	-	134	0.0	0.00	0.00
September	-	7,320	-8,090	-136	-	121	0.0	0.00	0.00
The Year	-	-	-	-	-	-	76	2.71	36.86

Location: Lat. 47° 38' 06", long. 52° 50' 14", Newfoundland, approximately one mile from Portugal Cove, Conception Bay, at outlet of North East Pond. Drainage Area: 1.4 square miles. Gauge: Staff, read daily. Measurement of Discharge: By wading. Period of Record: April 1953 to date. Average Discharge: (7 years) - 4.7 cfs. Extremes Recorded: Daily - Maximum, 11 November 1959, 94 cfs, Minimum, at various times, 0.1 cfs. Remarks: Records good except those under ice conditions which are fair.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	1.7	3.2	5.2	1.7	2.8	1.0	2.2e	8.2	2.2	1.0	0.1	1.2
2.....	1.5	5.0	3.2	1.4	2.5	1.4b	3.7	7.3	2.0	1.4	0.1	2.2
3.....	1.3	3.2	6.6	1.2	2.2	4.8	3.7	8.4e	1.7	1.7	1.4	2.2e
4.....	1.0	6.9	3.5	1.1	1.7b	3.5	16.0e	9.8	2.2e	2.1	1.4	2.2
5.....	1.0	5.3	8.1e	1.0	6.6	2.7	44.4	9.8	2.8	1.8	1.8	3.2
6.....	1.1	2.9	16.2	0.9	11.1	2.4	42.1	9.8	2.2	1.8	2.5	3.7
7.....	1.0	2.6	11.7	0.8	8.2	1.9	14.7	9.4	2.2	1.5	2.5	3.1
8.....	0.9	4.8	6.5e	0.7	1.9b	1.4b	16.0	9.1	4.4	1.2	1.7	1.6
9.....	0.7	3.2	3.4	0.6	1.4	1.2	9.6	8.7	7.1	1.0	2.4	1.4
10.....	0.5	2.7	3.1	0.5	1.0	1.0	9.6	8.1	6.8	0.6	3.2	1.0
11.....	0.7	8.4	2.8	0.4	0.8	0.8	8.7	6.9e	44.4	0.4	2.7	0.8
12.....	0.9e	7.4	2.5b	0.4	0.6	0.6	6.3	5.9	14.5	0.4e	2.2e	0.7
13.....	1.0	4.4	2.4	0.3	0.5	0.8b	4.8	8.7	8.9	0.4	1.7	2.7
14.....	1.0	2.7	2.2	0.2	0.4	2.5	4.5	12.5	5.3	0.3	1.5	5.3
15.....	0.8	2.3	2.1	0.2	0.4	2.1	4.2	15.5	3.1	0.2	1.2	2.7
16.....	0.7	1.9	1.9	0.3	0.3	1.8	3.6	13.2	2.7	0.2	1.0	1.8
17.....	0.7	1.7	1.8	0.6b	0.4	1.7	3.1	11.7	2.2	0.2	1.1e	1.4
18.....	1.2	1.6	1.7	1.5	1.0b	1.5	2.8	10.0	2.0	0.3e	1.1	1.6
19.....	10.9	1.3	1.6	2.7	27.3	1.4	6.5e	9.4	1.7	0.5	9.1	1.4
20.....	5.0	4.8	1.9	3.5	24.4	1.1	14.0	8.7	1.5	0.4	5.7	1.1
21.....	3.4e	3.8	2.1	3.0	13.7	1.1	13.5	7.4	1.6e	0.4	2.5	1.0
22.....	2.1	3.4	1.7	2.4	7.4e	1.1	13.0	5.5	1.8	0.4	2.4	0.9
23.....	1.8	3.1	1.4	3.1	3.7	2.7	12.5	4.6	1.7	0.3	2.2e	1.1
24.....	1.4	3.5	1.3	4.7	2.9	2.4	13.5e	3.9	1.7	0.3	2.0	1.3
25.....	1.1	3.9	1.2	3.5	2.1	2.3	14.7	3.3	1.4	0.2	1.5	17.4
26.....	0.8	7.1	1.1	2.8	1.7b	2.0	14.7e	2.7	1.2	0.2e	1.2	8.1
27.....	1.0	7.6e	1.0	2.2b	1.4	1.7	14.7	2.2	1.0	0.2	1.1	3.3
28.....	0.8	8.2	0.9	1.9	1.2	1.4	23.7	2.0	0.8	0.2	0.9	2.6
29.....	1.6	5.6	0.8	1.7	-	1.2e	15.7	1.7	0.6	0.2	0.8	1.9
30.....	9.1	5.9	1.0	1.9	-	1.0e	9.1	1.6	0.5	0.2	1.1e	1.6
31.....	5.5e	-	1.2	3.3	-	1.4e	-	1.8e	-	0.1	1.5	-
Mean	2.0	4.3	3.3	1.6	4.6	1.7	12.2	7.3	4.4	0.6	2.0	2.7
Per sq. mi.	1.43	3.06	2.35	1.16	3.31	1.24	8.70	5.25	3.15	0.46	1.42	1.92
Acre-feet	123	255	202	100	257	107	725	452	262	40	122	160

The Year.....Discharge: Daily - Maximum 11 June, 44.4

- Minimum 31 July to 2 August 0.1

Mean 3.9; Per Square Mile 2.77

Runoff: Acre-feet 2,800; Depth in inches on drainage area 37.57

b - Ice conditions 12 December to 17 January, 27 January to 4 February, 8 to 18 February, 26 February to 2 March and 8 to 13 March.
e - Estimated.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	1.2	9.6e	4.8	0.7	1.2	3.3	5.0e	21.2e	0.8	0.5	0.1	0.1
2.....	1.5	32.5	4.0	0.6	1.1	2.7	5.8	10.0	0.8	0.4	0.1	0.2
3.....	3.1	64	2.5	1.7b	1.0	2.4	6.6	11.7	0.8	0.3e	0.1	0.2e
4.....	2.6e	13.2	2.1	8.6	1.0	2.3	9.3e	10.7	0.8	0.3	0.4	0.2
5.....	2.2	8.4e	2.2	8.7	0.9	2.1b	12.5	10.0	0.8e	0.2	2.8	0.2
6.....	2.0	5.1	1.5	5.1	0.8	1.9	14.5	9.4e	0.8	0.2	2.7	0.2
7.....	1.5	3.3	1.8	2.9	1.0b	1.8	12.5	9.1	0.8	0.1	3.1	0.2
8.....	1.2	3.1e	12.0	2.1	8.2e	1.7	10.5	11.7e	0.7	0.1	2.6	0.1
9.....	1.1	2.9e	10.0	1.8	30.1	1.6	8.4	15.2	0.6	0.1	2.0	0.1
10.....	1.0	2.7	5.3	1.8e	18.6	1.4	6.9e	14.2	0.4	0.1e	1.4e	0.1
11.....	0.9	94	3.4	1.8e	17.1	1.5	5.7e	12.0	0.3	0.1	0.8	0.1
12.....	4.6e	16.5	2.8	1.8	16.0	1.7	4.8	8.6	0.3	0.1	1.0	0.1
13.....	14.7	7.1	2.4	1.7	16.0	1.8	4.3	7.6	0.4	0.1	0.6	0.1
14.....	5.9	7.3	2.6e	1.5	14.2	1.9	4.0	5.9	0.4	0.1	0.5	0.1
15.....	3.7	8.2e	2.9	1.5	21.6e	1.7	3.7	6.1e	0.4	0.1e	0.4	0.1
16.....	2.2	9.4	2.5	1.3	31.3	1.7	3.5	6.2	0.3	0.1	0.3	0.1
17.....	1.8	9.4	3.7e	1.1	16.2	1.5	3.3	5.8	0.3	0.1	0.3	0.1
18.....	1.5	10.2	5.2	2.3e	7.4	1.4	3.1	6.9e	0.2	0.1	0.3	0.1
19.....	1.4	8.7	3.1	4.1e	4.8	1.3	3.1	8.4	1.5e	0.1	0.2	0.1
20.....	1.4	7.7	2.7	7.1	2.8	1.4	6.5e	9.1	3.6	0.1	0.2	0.1
21.....	1.4	5.9	2.4	5.1	56	1.7	12.7	20.2	3.9	0.1	0.2	0.1
22.....	1.3	4.8	2.2	3.4	37.2	1.8	12.0	10.5e	2.2	0.1	0.2	0.4
23.....	1.2	3.3	1.5	3.2	21.6	1.7	11.3	5.0	1.5	0.1	0.2	0.5
24.....	1.2	2.3	1.2b	2.7	10.9	1.6	9.4e	2.7	1.2	0.1e	0.1	0.5
25.....	1.1	2.4	1.0	2.1	6.6	1.7	7.9	2.5	1.1	0.2	0.1	0.4
26.....	1.0	2.7	0.8	2.1	5.0	3.3	6.5	2.2	1.0	0.2	0.1	0.4
27.....	1.5	2.4	0.7	2.0	4.9	7.9b	12.7e	2.1	0.9	0.1	0.1	0.3
28.....	1.8	2.0	0.6	1.8	4.7	9.8	22.6	1.7	0.8	0.1	0.1	0.3
29.....	2.4	4.1e	0.6	1.6	4.2	7.1	17.1	1.5e	0.8	0.1	0.1	0.3
30.....	1.7	7.7	0.7	1.4b	-	5.0	16.8	1.3	0.7	0.1	0.1	0.3
31.....	1.7	-	0.8	1.3	-	4.3	-	1.1	-	0.1e	0.1	-
Mean	2.3	12.0	2.9	2.7	12.5	2.7	8.8	8.1	1.0	0.1	0.7	0.2
Per sq.mi.	1.65	8.59	2.07	1.96	8.93	1.91	6.26	5.77	0.69	0.11	0.49	0.14
Acre-feet	142	716	178	168	719	165	522	497	58	9.1	42.2	12.1

The Year.....Discharge: Daily - Maximum 11 November, 94
 - Minimum at various times, 0.1
 Mean 4.4; Per Square Mile 3.18
 Runoff: Acre-feet 3,230; Depth in inches on drainage area 43.24

b - Ice conditions 24 December to 3 January, 30 January to 7 February and 5 to 27 March.
 e - Estimated.

Location: Lat. 47° 27' 27", long. 52° 43' 47", Newfoundland, at Petty Harbour power house of the Newfoundland Light and Power Company Limited. Drainage Area: 53.4 square miles. Period of Record: June 1931 to date. Average Discharge: (29 years) - 191 cfs. Revisions: Drainage area, W.R.P. 112 and 130. Remarks: Records supplied by Montreal Engineering Company Limited in co-operation with Newfoundland Light and Power Company Limited from operating data.

Monthly Summary of Storage, Outflow and Runoff for Water Years 1958-59 and 1959-60

Month	Storage Level at End of Monthly Period	Volume of Live Storage	Storage Change + or -		Effect of Change in Upstream Storage	Recorded Outflow	Monthly Runoff		
				Equiva- lent in			Mean	Per Square Mile	Depth in
	Feet	Acre-feet	Acre-feet	cfs	cfs	cfs	cfs	cfs	Inches
1958-59									
(Sept.)	302.0	2,480	-	-	-	-	-	-	-
October	301.5	2,300	-180	- 2.9	- 56	153	94	1.77	2.05
November	302.8	2,750	+450	+ 7.6	+ 11.7	248	267	5.04	5.62
December	301.5	2,300	-450	- 7.3	+ 41.2	214	248	4.68	5.39
January	302.2	2,550	+250	+ 4.1	-101	163	66	1.24	1.43
February	302.2	2,550	0	0.0	+ 22.8	182	205	3.87	4.03
March	301.6	2,330	-220	- 3.6	- 43.6	161	114	2.15	2.48
April	303.0	2,820	+490	+ 8.2	+ 92	361	461	8.70	9.71
May	301.4	2,270	-550	- 8.9	+ 89	250	330	6.23	7.18
June	301.4	2,270	0	0.0	+ 29.8	132	162	3.06	3.41
July	301.5	2,300	+ 70	+ 1.1	- 35.2	48.1	14.0	0.26	0.30
August	301.0	2,140	-160	- 2.6	-101	101	0.0	0.00	0.00
September	301.5	2,300	+160	+ 2.6	- 42.6	90	50	0.94	1.05
The Year	-	-	-	-	-	-	167	3.14	42.65
1959-60									
October	301.2	2,210	- 90	- 1.5	- 42.3	85	41.7	0.78	0.90
November	301.5	2,300	+ 90	+ 1.5	+136	341	478	8.95	9.99
December	301.8	2,410	+110	+ 1.8	+ 11.2	142	155	2.90	3.35
January	301.7	2,370	- 40	- 0.6	+ 8.7	109	117	2.19	2.52
February	301.0	2,140	-230	- 4.0	+ 86	402	484	9.06	9.77
March	300.1	1,840	-300	- 4.9	- 49.9	248	193	3.61	4.17
April	302.0	2,480	+640	+10.8	+ 77	346	434	8.13	9.07
May	301.8	2,410	- 70	- 1.1	+ 82	353	434	8.13	9.37
June	301.6	2,340	- 70	- 1.2	- 76	131	54	1.01	1.13
July	301.7	2,370	+ 30	+ 0.5	- 37.9	57	19.4	0.36	0.42
August	301.0	2,140	-230	- 3.7	-118	114	0.0	0.00	0.00
September	300.2	1,870	-270	- 4.5	- 59	75	11.7	0.22	0.24
The Year	-	-	-	-	-	-	200	3.74	50.93

Location: Lat. 47° 17' 50", long. 52° 51' 00", Newfoundland, at Pierre's Brook power house of the Newfoundland Light and Power Company Limited. Drainage Area: 45.1 square miles. Period of Record: June 1931 to date. Average Discharge: (29 years) - 145 cfs. Remarks: Records supplied by Montreal Engineering Company Limited in co-operation with Newfoundland Light and Power Company Limited from operating data.

Monthly Summary of Storage, Outflow and Runoff for Water Years 1958-59 and 1959-60

Month	Storage Level at End of Monthly Period	Volume of Live Storage	Storage Change + or -		Effect of Change in Upstream Storage	Recorded Outflow	Monthly Runoff		
				Equiva- lent in			Mean	Per Square Mile	Depth in
	Feet	Acre-feet	Acre-feet	cfs	cfs	cfs	cfs	cfs	Inches
1958-59									
(Sept.)	-	-	-	-	-	-	-	-	-
October	-	-	- 202	- 3.3	+ 7.2	95	99	2.19	2.53
November	-	-	+1,550	+26.0	+ 20.5	144	190	4.22	4.70
December	-	-	-2,430	-39.5	+ 85	170	215	4.77	5.50
January	-	-	- 390	- 6.3	-104	177	67	1.49	1.71
February	-	-	+ 679	+12.2	+ 22.5	159	194	4.30	4.48
March	-	-	-2,650	-43.1	- 23.8	176	109	2.42	2.79
April	-	-	+4,390	+74	+159	168	401	8.89	9.92
May	-	-	+2,340	+38.0	+ 26.5	233	297	6.58	7.59
June	-	-	-1,380	-23.2	- 21.2	177	133	2.95	3.29
July	-	-	-1,980	-32.0	- 93	147	22.0	0.49	0.56
August	-	-	-3,250	-53	- 99	181	29.0	0.64	0.74
September	-	-	-2,700	-45.3	- 1.7	89	42.0	0.93	1.04
The Year	-	-	-	-	-	-	149	3.30	44.85
1959-60									
October	-	-	- 800	-13.0	0	72	59	1.31	1.51
November	-	-	+5,120	+86	+182	170	438	9.71	10.84
December	-	-	+1,370	+22.3	- 31.6	207	198	4.39	5.06
January	-	-	-2,870	-46.7	- 76	211	88	1.95	2.25
February	-	-	+3,360	+58	+154	161	373	8.27	8.92
March	-	-	-1,580	-25.8	- 36.6	211	149	3.30	3.81
April	-	-	+4,950	+83	+ 32.2	211	326	7.23	8.07
May	-	-	-1,070	-17.4	+ 7.0	289	279	6.19	7.13
June	-	-	-3,310	-56	- 62	179	61	1.35	1.51
July	-	-	-2,620	-42.6	-100	151	8.4	0.19	0.21
August	-	-	- 804	-13.1	- 7.5	59	38.1	0.84	0.97
September	-	-	+ 90	+ 1.5	+ 3.9	0	5.4	0.12	0.13
The Year	-	-	-	-	-	-	167	3.70	50.41

PIPER'S HOLE RIVER AT MOTHER'S BROOK - STATION No. 2ZH₁

Location: Lat. 47° 56' 49", long. 54° 17' 08", Newfoundland, immediately below confluence of Mother's Brook, about nine miles from village of Swift Current. Drainage Area: 300 square miles. Gauge: Recording. Measurement of Discharge: From cableway. Period of Record: November 1952 to date. Average Discharge: (7 years) - 857 cfs. Extremes Recorded: Daily - Maximum, 20 April 1956, 4,890 cfs, Minimum, 31 August, 3 and 4 September 1960, 33.6 cfs; Instantaneous Maximum - 11 a.m., 21 November 1955, 6,650 cfs. Remarks: Records excellent under open-water conditions; fair during periods of ice effect and estimated flows.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	1,660	1,310	2,630	523	655	420	440	2,060	424	255	108	432
2.....	1,390	1,230	2,030b	544	565	460	501	1,900	378	248	105e	536
3.....	1,210	1,120	1,600b	501	523	523	632	1,860	381	268	100	628
4.....	1,040	998	1,420b	480	501	702	937	1,780	770	268	97	548
5.....	888	893	1,950	460	702	750	1,600	1,790	674	255	97	650
6.....	785	790	2,700	440	800	678	2,670	1,640	557	258	91	785
7.....	688	697	2,640	420	702	565	3,260	1,540	484	238	91	660
8.....	596	844	2,070	400	565	501	3,170	1,610	440	228	105	569
9.....	536	871	1,600b	420	480	400	3,020	1,550	448	232	160	493
10.....	476	785	1,290	440	440	345	2,760	1,490	440	232	327	424
11.....	452	2,860	1,050	400	400	292	2,240	1,320	628	222	523e	370
12.....	527	2,690	992	363	363	275	1,820	1,240	981	208	444	331
13.....	544	2,070	882	345	327	258	1,560	1,210	838	202	393	432
14.....	493	1,730	827	327	309	381	1,330	1,220	721	195	363	472
15.....	444	1,430	775	309	292	400	1,110	1,240	646	192	323	400
16.....	412	1,250	726	292	275	420	992	1,200	569	189	292	356
17.....	385	1,020b	655	275	292	440	882	1,140	523	182	272	338
18.....	484	855b	610	400	363	420	1,050	1,010	480	173	272	352
19.....	736	827b	565	565	565	400	1,230	970	432	166	323	331
20.....	660	899	544	544	1,140	381	1,670	915	400	157	306	306
21.....	601	998	501	523	1,200	363	1,780	860	432	146	289	282
22.....	536	1,010	544	565	1,020	345	2,070b	775	614	143	265	393e
23.....	468	976	523	610	882	565	2,160	712	536	138	235	519
24.....	428	610	501	702	750	632	2,530	669	493	138	222	637e
25.....	389	655b	480	632	632	587	2,360	596	436	132	199	770
26.....	352	678b	460	587	544	523	2,210	527	370	132	189	702
27.....	327	1,170b	440	544	480	480	2,380	484	338	132	173	583
28.....	309	2,610	381	501	440	440	2,360	448	320	132	166	519
29.....	605	1,980	345	460	-	381	2,240	408	295	118	235	460
30.....	1,820	3,140	400	440	-	363	2,140	370	275	116	456	436
31.....	1,510	-	460	587	-	400	-	424	-	110	480	-
Mean	702	1,300	1,050	471	579	454	1,840	1,130	511	187	248	490
Per sq. mi.	2.34	4.33	3.50	1.57	1.93	1.51	6.12	3.76	1.70	0.62	0.83	1.63
Acre-feet	43,140	77,350	64,640	28,960	32,150	27,950	109,300	69,340	30,390	11,510	15,270	29,180

The Year.....Discharge: Daily - Maximum 7 April, 3,260
 - Minimum 6 and 7 August, 91
 Instantaneous Maximum 4 p.m., 11 November, 3,610
 Mean 745; Per Square Mile 2.48
 Runoff: Acre-feet 539,200; Depth in inches on drainage area 33.70

b - Ice conditions 9 December to 22 April and as indicated.

e - Estimated 2 to 11 August and as indicated.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	396	<u>745</u>	1,670	501	292	<u>910</u>	<u>660</u>	<u>2,720</u>	404	<u>323</u>	60	35.2
2.....	389	2,110	1,320	460	275	882	770	2,650	367	309	58	36.8
3.....	424	2,870	1,220	440	258	805	745	2,710	341	282	58	<u>33.6</u>
4.....	408	<u>3,040</u>	1,100	855	241	716	712	2,520	331	258	60	33.6
5.....	416	2,610	998	<u>937</u>	<u>225</u>	707	838	2,320	316	245	62	35.2
6.....	393	2,240	888	800	241	660	2,080	2,230	323	238	62	36.8
7.....	352	1,870	800	702	275	565b	<u>3,080</u>	2,390	<u>514</u>	212	64	35.2
8.....	323	1,650	1,120	655	501	523	2,760	2,420	476	205	62	35.2
9.....	295	1,720	1,510	610	937	480	2,470	2,260	396	179	62	36.8
10.....	278	1,800	1,190	587	992	440	2,170	2,230	352	170	<u>66</u>	35.2
11.....	282	2,660	970	565	855	400	1,930	2,070	313	160	64	35.2
12.....	<u>268</u>	2,700	641	523	775	381	1,610	1,820	282	143	62	35.2
13.....	472	2,070	664	480	882	363	1,380	1,610	278	135	60	43.6
14.....	468	1,780	1,520	460	1,390	381	1,260	1,420	251	129	60	76
15.....	400	1,530	1,630	440	1,820	381	1,090	1,320	245	127	56	138
16.....	359	1,470	1,420	420	<u>3,020b</u>	363	987	1,380	222	121	53	108
17.....	323	1,440	<u>1,750</u>	381	2,300	345	877	1,330	218	116	51	89
18.....	316	1,570	1,130	363	1,880	<u>327</u>	827	1,530	212	100	49	78
19.....	750	1,820	557	381	1,460	363	1,150	1,470	<u>208</u>	94	49	76
20.....	716	1,400	910	420	1,200	400	1,960	1,370	248	86	47.2	72
21.....	660	1,350	1,150	480	1,330	381	2,050	1,460	245	83	47.2	76
22.....	655	926	1,060	460	1,690	345	1,780	1,370	232	78	45.4	<u>149</u>
23.....	578	1,120	987	440	2,490	327	1,650	1,220	228	74	45.4	146
24.....	519	1,040	899	420	2,060	381b	1,440	1,080	218	76	47.2	121
25.....	472	992	775b	400	1,640	523	1,340	954	215	74	45.4	108
26.....	432	1,360	750	381	1,350	822	1,360	838	356	74	45.4	102
27.....	464	1,460	702	363	1,160	849	1,470	740	404	70	43.6	94
28.....	747	1,240	655	440	1,110	800	1,870	650	400	66	40.0	89
29.....	<u>1,340</u>	1,450	610	420	987	707	2,650	596	389	62	38.4	83
30.....	1,030	1,860	587	345	-	628	2,750	519	352	62	35.2	83
31.....	849	-	<u>544</u>	<u>327</u>	-	605	-	<u>468</u>	-	<u>60</u>	<u>33.6</u>	-
Mean	509	1,730	1,020	499	1,160	541	1,590	1,600	311	142	53	72
Per sq.mi.	1.70	5.77	3.41	1.66	3.87	1.80	5.30	5.34	1.04	0.47	0.17	0.24
Acre-feet	31,290	102,900	62,930	30,660	66,710	33,240	94,640	98,510	18,520	8,750	3,240	4,270

The Year.....Discharge: Daily - Maximum 7 April, 3,080
 - Minimum 31 August and 3 and 4 September, 33.6
 Instantaneous Maximum 6 p.m., 11 November, 3,350
 Mean 765; Per Square Mile 2.55
 Runoff: Acre-feet 555,700; Depth in inches on drainage area 34.73

ROCKY POND BROOK AT ROCKY POND - STATION No. 2YS₂

Location: Lat. 48° 31' 37", long. 53° 57' 32", Newfoundland, just below outlet of Rocky Pond and about one mile from mouth of brook at Newman Sound. Drainage Area: 0.8 square miles. Gauge: Recording. Measurement of Discharge: From weir. Period of Record: June 1959 to date. Extremes Recorded: Daily - Maximum, 8 May 1960, 16.0 cfs, Minimum - 31 August to 12 September and 19 to 21 September 1960, 0.0 cfs; Instantaneous Maximum - 10 a.m., 8 May 1960, 17.3 cfs. Remarks: Records excellent under open-water conditions; fair during periods of ice effect and estimated flows.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Daily Discharge in Cubic Feet per Second for Water Year 1950-51														
Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.		
1.....	-	-	-	-	-	-	-	-	-	1.4	0.4e	0.6e		
2.....	-	-	-	-	-	-	-	-	-	1.3				
3.....	-	-	-	-	-	-	-	-	-	1.3				
4.....	-	-	-	-	-	-	-	-	-	1.4				
5.....	-	-	-	-	-	-	-	-	-	1.4				
6.....	-	-	-	-	-	-	-	-	-	1.4				
7.....	-	-	-	-	-	-	-	-	-	1.2				
8.....	-	-	-	-	-	-	-	-	-	1.1				
9.....	-	-	-	-	-	-	-	-	-	1.1				
10.....	-	-	-	-	-	-	-	-	2.6	1.1				
11.....	-	-	-	-	-	-	-	-	3.8	1.0	0.7e	0.6e		
12.....	-	-	-	-	-	-	-	-	7.1	1.0				
13.....	-	-	-	-	-	-	-	-	6.1	0.9				
14.....	-	-	-	-	-	-	-	-	4.6	0.4e				
15.....	-	-	-	-	-	-	-	-	3.7					
16.....	-	-	-	-	-	-	-	-	3.0					
17.....	-	-	-	-	-	-	-	-	2.6					
18.....	-	-	-	-	-	-	-	-	2.4					
19.....	-	-	-	-	-	-	-	-	2.1	0.7e				
20.....	-	-	-	-	-	-	-	-	1.9					
21.....	-	-	-	-	-	-	-	-	1.8					
22.....	-	-	-	-	-	-	-	-	2.0					
23.....	-	-	-	-	-	-	-	-	2.0					
24.....	-	-	-	-	-	-	-	-	1.9	0.4e	0.6e			
25.....	-	-	-	-	-	-	-	-	1.7					
26.....	-	-	-	-	-	-	-	-	1.5					
27.....	-	-	-	-	-	-	-	-	1.5					
28.....	-	-	-	-	-	-	-	-	1.6					
29.....	-	-	-	-	-	-	-	-	1.5					
30.....	-	-	-	-	-	-	-	-	1.4					
31.....	-	-	-	-	-	-	-	-	-					
Mean	-	-	-	-	-	-	-	-	2.7			0.9e	0.4e	0.6e
Per sq. mi.	-	-	-	-	-	-	-	-	3.38			1.14	0.50	0.75
Acre-feet	-	-	-	-	-	-	-	-	112	56	24.7	35.9		

The Period,.....Discharge: Daily - Maximum 12 June, 7.1

(113 days) Mean 1.0; Per Square Mile 1.28

Runoff: Acre-feet 229; Depth in inches on drainage area 5.36

e - Estimated 14 July to 30 September.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	<u>0.7e</u>	<u>1.5</u>	2.5	1.3	1.7	<u>4.8</u>	<u>1.5</u>	10.6	1.0	1.0	0.3	<u>0.0</u>
2.....	0.8	2.6	2.2	<u>1.2</u>	1.6	4.0	1.7	10.1	0.9	0.8	0.3	0.0
3.....	1.0	4.9	2.1	1.2	1.5	3.6e	1.7	9.7	0.8	0.6	0.2	0.0
4.....	1.1	<u>7.2</u>	2.0	1.5	1.5	3.2	2.2	9.0	0.8	0.6	0.3	0.0
5.....	1.0	5.7	1.7	1.7	1.4	3.1	5.3	8.4	0.9	0.4	<u>0.4</u>	0.0
6.....	0.9e	4.6	1.7	1.7	1.4	3.5	10.1	9.6	0.9	0.5	0.3	0.0
7.....	0.8	3.5	1.6	1.6	<u>1.3</u>	3.3	9.3	15.5	1.1	<u>0.3</u>	0.4	0.0
8.....	0.8	3.2	1.9	1.5	1.5	2.8	8.0	<u>16.0</u>	0.8	0.4	0.4	0.0
9.....	0.7	3.6	2.4	1.4	1.9	2.4	7.4	15.5	0.7	0.4	0.4	0.0
10.....	0.7	3.8	2.2	1.5	2.4	2.9b	6.8	15.8	0.6	0.3	0.4	0.0
11.....	1.1	5.4	2.0	1.8	2.6	3.4	5.8	13.6	0.6	0.3	0.3	0.0
12.....	1.4	6.5	1.9	1.9	2.6	3.0	5.3	10.6	<u>0.4</u>	0.3	0.3	0.0
13.....	<u>1.8</u>	5.3	1.8	1.7	2.7	2.7	4.8e	8.5	0.7	0.4	0.3	0.1
14.....	1.6	4.6	2.4	1.5	3.0	2.6b	4.0	7.0	0.7	0.9	0.2	0.1
15.....	1.3	4.0	3.0	1.4	3.2	2.4b	3.5	6.2	0.8	<u>1.4</u>	0.2	0.1
16.....	1.2	3.5	2.9	1.4	5.8	2.2	3.2	6.7	0.8	1.4	0.2	0.1
17.....	1.0	3.3	<u>3.0</u>	1.4	6.6	2.0	2.8	6.8	0.7	1.2	0.2	0.0
18.....	1.0	3.2	2.7	1.9	5.5	1.9	2.7	7.6	0.7	0.9	0.2	0.1
19.....	1.2e	3.5	2.3	3.1	4.5	2.1	4.2	7.3	0.7	0.7	0.1	0.0
20.....	1.3e	3.5	2.2	4.1	3.6e	2.2e	7.9	7.3	0.9	0.6	0.1	0.0
21.....	1.5e	3.0	2.2	<u>5.1</u>	4.8	2.1	9.0	8.6	0.9	0.6	0.1	0.0
22.....	1.3e	2.6	2.0	4.8	9.3	2.0	7.5	7.6	0.8	0.4	0.1	<u>0.3</u>
23.....	1.2	2.2	1.8	4.1	13.4	1.9	6.1	6.1	0.9	0.3	0.1	0.3
24.....	1.1	2.0	1.7	3.5	<u>15.1</u>	1.7	4.9	4.8	0.8	0.4	0.1	0.3
25.....	1.1	2.1	1.6	3.0	14.2	1.9	4.2	3.8	0.8	0.5	0.1	0.3
26.....	1.1	2.3	1.5	2.6	12.5	2.0	3.8	2.9	<u>1.2</u>	0.5	0.1	0.3
27.....	1.1	2.0	1.4	2.3	9.3	1.9	4.0	2.4	1.1	0.4	0.1	0.3
28.....	1.2	1.8	1.3	2.1	7.4	1.7	5.5	2.1	1.2	0.4	0.1	0.2
29.....	1.6	2.1	1.3	1.9	5.8	1.5	8.9	1.7	1.2	0.4	0.1	0.2
30.....	1.6	2.4	<u>1.2</u>	1.8	-	<u>1.3</u>	<u>11.4</u>	1.3	1.1	0.3	0.1	0.2
31.....	1.5	-	1.2	1.8	-	1.4	-	<u>1.2</u>	-	0.3	<u>0.0</u>	-
Mean	1.1	3.5	2.0	2.2	5.1	2.5e	5.4e	7.9	0.8	0.6	0.2	0.1
Per sq.mi.	1.44	4.41	2.49	2.73	6.38	3.12	6.81	9.85	1.06	0.72	0.26	0.12
Acre-feet	71	210	122	134	294	154	324	485	51	35.5	12.9	5.8

The Year.....Discharge: Daily - Maximum 8 May, 16.0
 - Minimum at various times, 0.0
 Instantaneous Maximum 1 a.m., 8 May, 17.3
 Mean 2.6; Per Square Mile 3.27
 Runoff: Acre-feet 1,900; Depth in inches on drainage area 44.50

b - Ice conditions.
 e - Estimated 1 to 6 October, 20 February to 3 March, 20 March to 13 April and as indicated.

Location: Lat. 47° 13' 29", long. 53° 34' 06", Newfoundland, two hundred yards upstream from highway bridge. Drainage Area: 110 square miles. Gauge: Recording. Measurement of Discharge: From cableway and by wading at low water. Period of Record: September 1948 to date. Average Discharge: (11 years) - 390 cfs. Extremes Recorded: Daily - Maximum, 27 December 1953, 4,470 cfs, Minimum, 21 and 22 August 1950, 7.2 cfs. Instantaneous Maximum - 8.15 a.m., 27 December 1953, 5,700 cfs. Revisions: Drainage area, W.R.P. 130. Remarks: Records excellent except those under ice conditions which are fair.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	338	375	933	443	587	142	63	696	130	68	23.0	51
2.....	263	389	705	409	478	208	104	621	118	63	23.0	61
3.....	242	356	764	375	285	513	478	621	111	68	392	85
4.....	213	580	569	344	232	550	1,000	557	492	73	367	75
5.....	190	478	705	344	671	409	1,790	543	363	65	190	256
6.....	172	350	878	313	942	313	1,880	520	232	63	147	389
7.....	151	285	914	285	713	257	1,340	492	208	61	122	228
8.....	130	279	679	208	513	232	1,260	513	190	59	126	151
9.....	122	319	543	208	375	185	1,000	506	181	57	477	122
10.....	108	263	375b	185	285	142	850	688	172	53	436	94
11.....	104	1,180	344	208	232	104	713	730	242	45.0	291	80
12.....	104	1,140	313	185	185	75	629	637	492	47.0	232	68
13.....	104	637	296	163	142	63	513	543	344	45.0	185	197
14.....	101	485	285	142	104	185	443	513	257	41.4	155	237
15.....	94	389	257	122	87	208	375b	492	213	36.6	126	167
16.....	85	389	232	142	75	257	416	464	190	31.8	108	134
17.....	85	338	232	163	104	375	471	423	167	28.6	87	142
18.....	341	279	208	344	208	409	637	369	151	27.0	82	142
19.....	959	263	185	443	375	344	637	296	130	35.0	130	126
20.....	471	520	185	313	1,880	257	764	291	122	35.0	147	108
21.....	350	513	232	257	1,700	163	755	307	122	35.0	126	87
22.....	274	409	313	285	1,190	142	989	257	126	31.8	108	77
23.....	242	350	344	443	850	185	802	228	118	28.6	90	87
24.....	213	285	313	629	629	208	850	208	115	27.0	82	97
25.....	167	821	285	513	443	163	755	190	97	25.0	73	436
26.....	147	981	257	344	285	142	713	147	85	35.0	63	595
27.....	134	897	232	257	208	104	764	134	75	43.0	57	344
28.....	130	1,610	208	208	163	75	942	122	63	38.2	53	252
29.....	159	802	185	163	-	63	821	115	70	35.0	53	203
30.....	837	1,460	208	208	-	53	730	104	87	30.2	55	172
31.....	550	-	257	713	-	43.0	-	111	-	26.0	55	-
Mean	244	581	401	302	498	212	783	401	182	43.8	150	175
Per sq. mi.	2.22	5.28	3.65	2.74	4.53	1.93	7.12	3.65	1.65	0.40	1.37	1.59
Acre-feet	15,030	34,560	24,670	18,560	27,650	13,030	46,580	24,670	10,840	2,690	9,240	10,440

The Year.....Discharge: Daily - Maximum 20 February, 1,880
 - Minimum 1 and 2 August, 23.0
 Instantaneous Maximum 2 a.m., 28 November, 2,250
 Mean 329; Per Square Mile 2.99
 Runoff: Acre-feet 238,000; Depth in inches on drainage area 40.56

b - Ice conditions 10 December to 15 April.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	147	<u>142</u>	688	142	87	307	409	307	82	<u>77</u>	22.0	<u>10.7</u>
2.....	134	1,820	457	122	75	285	612	274	73	75	20.0	19.0
3.....	155	2,650	369	185	75	268	513	268	68	68	17.0	23.0
4.....	151	1,940	338	629	63	257	492	247	65	59	16.3	21.0
5.....	163	1,000	356	<u>802</u>	63	232b	933	223	63	51	<u>46.4</u>	19.0
6.....	155	774	319	443	<u>53</u>	208	<u>2,080</u>	203	63	51	24.7	18.0
7.....	126	621	285	344	75	185	1,660	199	97	57	16.3	21.0
8.....	108	637	716	285	104	163	954	194	111	47.0	118	19.0
9.....	97	764	954	257	587	163	738	181	87	38.2	82	18.0
10.....	<u>94</u>	764	572	232	671b	185	612	181	77	36.6	94	17.0
11.....	118	<u>2,830</u>	443	208	520	232	580	190	68	35.0	82	18.0
12.....	122	<u>2,170</u>	369	185	450	257	499	163	61	31.8	70	18.0
13.....	228	1,160	338	163	543	232	429	142	57	31.8	61	17.0
14.....	247	850	436	142	696	208	436	138	55	30.2	51	20.0
15.....	194	679	471	163	646	185	389	134	51	31.8	45.0	24.0
16.....	176	646	450	185b	<u>1,410</u>	163	356	134	51	31.8	41.4	24.0
17.....	151	869	<u>1,000</u>	199	812	<u>142</u>	332	142	31.8	28.6	47.0	22.0
18.....	134	1,100	629	218	587	142	325	369	28.6	25.0	45.0	20.0
19.....	142	859	<u>344b</u>	232	485	208	375	325	<u>27.0</u>	23.0	33.4	18.0
20.....	181	671	285	325	395	478	492	252	190	21.0	27.0	18.0
21.....	224	506b	232	296	402	443	429	<u>513</u>	<u>237</u>	22.0	25.0	34.1
22.....	<u>279</u>	<u>344b</u>	208	291	471	344	356	423	138	20.0	22.0	<u>285</u>
23.....	208	285b	185	257b	580	285	313	307	101	<u>17.0</u>	21.0	22.3
24.....	172	257b	163	232	565	257b	279	247	77	27.0	20.0	142
25.....	147	268	142	208	478	299	263	218	63	57	20.0	108
26.....	130	313	<u>122</u>	185	402	<u>1,300</u>	<u>257</u>	181	167	55	19.0	77
27.....	122	332	142	163	350	914	257	155	223	41.4	17.0	63
28.....	134	279	185	163	350	654	291	134	134	33.4	14.3	55
29.....	228	247	208	142	319	513	363	122	101	28.6	11.6	49.0
30.....	213	663	185	122	-	402	325	111	80	25.0	12.5	45.0
31.....	163	-	163	<u>104</u>	-	356	-	<u>101</u>	-	23.0	<u>10.7</u>	-
Mean	163	881	379	246	425	331	545	219	91	38.7	67	48.9
Per sq.mi.	1.48	8.01	3.45	2.24	3.86	3.01	4.95	1.99	0.83	0.35	0.61	0.44
Acre-feet	10,000	52,440	23,320	15,120	24,420	20,360	32,420	13,440	5,410	2,380	4,140	2,910

The Year.....Discharge: Daily - Maximum 11 November, 2,830
 - Minimum 31 August and 1 September, 10.7
 Instantaneous Maximum 3 p.m., 11 November, 4,130
 Mean 284; Per Square Mile 2.58
 Runoff: Acre-feet 206,400; Depth in inches on drainage area 35.18

b - Ice conditions 19 December to 16 January, 23 January to 10 February, 5 to 24 March and as indicated.

Location: Lat. 47° 56' 40", long. 55° 54' 50", Newfoundland, at outlet of Long Pond, ten miles from St. Alban's, Bay D'Espoir. Drainage Area: 1,020 square miles. Gauge: Recording. Measurement of Discharge: From cableway. Period of Record: Weekly readings January 1944 to June 1949; continuous July 1949 to date. Average Discharge: (11 years) - 2,730 cfs. Extremes Recorded: Daily - Maximum, 26 December 1954, 13,800 cfs (estimated), Minimum, 10 September 1960, 216 cfs; Instantaneous Maximum - 11 a.m., 26 December 1954, 14,200 cfs (estimated). Revisions: Drainage area, W.R.P. 130. Remarks: Records excellent.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	3,830	2,200	5,900	1,590	1,530	1,770	891	6,260	1,950	1,150	710	921
2.....	4,120	2,340	6,040	1,520	1,520	1,760	882	6,110	1,860	1,070	767	963
3.....	4,450	2,420	6,350	1,430	1,490	1,770	882	5,960	1,800	1,050	784	931
4.....	4,590	2,490	6,220	1,360	1,480	1,670	994	5,790	1,800	1,030	776	910
5.....	4,650	2,490	6,130	1,330	1,600	1,600	1,460	5,670	1,750	963	759	963
6.....	4,510	2,550	6,170	1,300	1,630	1,510	2,310	5,540	1,700	942	742	973
7.....	4,280	2,570	6,330	1,250	1,670	1,490	2,910	5,370	1,630	910	725	994
8.....	4,100	2,660	6,350	1,230	1,620	1,400	3,410	5,200	1,560	921	767	1,000
9.....	3,830	2,730	6,240	1,190	1,580	1,350	3,760	5,100	1,520	942	882	1,040
10.....	3,610	2,850	6,000	1,170	1,510	1,250	4,240	4,990	1,480	931	963	1,040
11.....	3,440	4,570	5,670	1,130	1,490	1,220	4,670	4,820	1,560	910	973	1,040
12.....	3,220	5,750	5,350	1,070	1,460	1,140	5,060	4,670	1,560	882	973	1,070
13.....	3,050	6,370	4,950	1,060	1,390	1,140	5,140	4,490	1,580	892	973	1,100
14.....	2,880	6,890	4,570	1,020	1,350	1,130	5,120	4,320	1,560	882	973	1,060
15.....	2,710	7,110	4,210	984	1,330	1,090	4,900	4,140	1,560	882	963	1,020
16.....	2,550	6,920	3,970	952	1,290	1,050	4,690	3,960	1,530	855	931	1,020
17.....	2,390	6,500	3,690	942	1,230	1,060	4,510	3,810	1,530	837	882	994
18.....	2,280	6,020	3,460	1,080	1,210	1,000	4,470	3,630	1,520	828	873	952
19.....	2,200	5,520	3,200	1,200	1,310	994	4,490	3,510	1,510	793	882	921
20.....	2,070	5,160	3,030	1,250	1,630	942	4,510	3,420	1,530	767	864	900
21.....	1,980	4,820	2,950	1,260	1,820	910	4,770	3,270	1,530	767	837	873
22.....	1,890	4,570	2,680	1,300	1,920	900	5,350	3,190	1,490	742	828	891
23.....	1,820	4,450	2,500	1,350	1,920	994	5,600	3,050	1,430	710	801	891
24.....	1,750	4,190	2,360	1,390	1,930	1,000	5,900	2,910	1,400	687	750	882
25.....	1,660	4,060	2,250	1,430	1,920	1,020	6,170	2,810	1,360	672	733	882
26.....	1,600	3,830	2,130	1,470	1,920	1,000	6,280	2,680	1,290	710	717	882
27.....	1,530	3,790	1,980	1,460	1,890	994	6,390	2,570	1,270	750	710	873
28.....	1,510	4,320	1,880	1,440	1,830	984	6,410	2,410	1,260	776	725	846
29.....	1,600	4,260	1,800	1,420	-	942	6,390	2,290	1,200	776	810	819
30.....	1,820	5,560	1,690	1,400	-	900	6,370	2,130	1,140	759	910	810
31.....	2,040	-	1,670	1,510	-	900	-	2,090	-	710	931	-
Mean	2,840	4,330	4,120	1,270	1,590	1,190	4,300	4,070	1,530	855	836	949
Per sq. mi.	2.78	4.25	4.04	1.25	1.56	1.17	4.21	3.99	1.50	0.84	0.82	0.93
Acre-feet	174,500	257,800	253,300	78,330	88,210	73,150	255,700	250,200	90,960	52,560	51,400	56,450

The Year.....Discharge: Daily - Maximum 15 November, 7,110

- Minimum 25 July, 672

Instantaneous Maximum 8:30 a.m., 15 November, 7,130

Mean 2,320; Per Square Mile 2.28

Runoff: Acre-feet 1,683,000; Depth in inches on drainage area 30.93

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	801	<u>2,090</u>	5,120	<u>2,730</u>	1,150	<u>3,540</u>	1,190	4,240	<u>2,710</u>	<u>2,260</u>	<u>702</u>	315
2.....	784	3,170	5,290	2,570	1,140	3,440	1,190	4,590	2,550	2,210	657	300
3.....	776	4,150	5,310	2,420	1,080	3,290	1,160	4,990	2,390	2,070	629	300
4.....	767	4,710	5,310	2,660	1,040	3,130	<u>1,140</u>	5,350	2,230	1,980	636	280
5.....	742	5,200	5,120	2,730	1,030	2,960	1,190	5,650	2,100	1,930	615	271
6.....	733	5,540	4,920	2,600	952	2,810	1,510	5,880	2,050	1,850	594	267
7.....	717	5,750	4,690	2,570	<u>942</u>	2,630	2,050	6,040	2,010	1,750	594	249
8.....	695	5,920	4,490	2,440	1,050	2,490	2,370	6,110	1,920	1,640	573	232
9.....	680	6,000	4,470	2,410	1,140	2,370	2,500	6,300	1,800	1,550	560	236
10.....	657	<u>6,040</u>	4,340	2,290	1,150	2,310	2,660	6,520	1,700	1,440	615	<u>216</u>
11.....	657	6,040	4,230	2,260	1,160	2,280	2,810	6,640	1,590	1,380	629	228
12.....	657	5,940	4,100	2,130	1,160	2,170	2,960	<u>6,680</u>	1,530	1,340	615	224
13.....	665	5,900	3,970	2,090	1,220	2,100	3,120	6,570	1,510	1,270	601	228
14.....	665	5,730	4,820	1,960	1,360	1,990	3,200	6,460	1,460	1,300	587	268
15.....	665	5,540	5,330	1,920	1,670	1,860	3,190	6,260	1,360	1,300	573	280
16.....	657	5,330	5,560	1,820	2,660	1,800	3,150	6,110	1,260	1,220	573	285
17.....	650	5,200	5,940	1,790	3,190	1,720	3,080	5,920	1,250	1,140	545	276
18.....	<u>643</u>	5,100	<u>6,070</u>	1,750	3,460	1,690	3,000	5,750	<u>1,230</u>	1,100	524	253
19.....	776	5,030	5,770	1,670	3,780	1,670	3,000	5,620	1,230	1,040	510	262
20.....	828	4,770	5,540	1,670	4,060	1,630	3,220	5,500	1,310	984	510	262
21.....	846	4,490	5,600	1,660	4,260	1,560	3,320	5,440	1,330	921	510	280
22.....	846	4,280	5,290	1,590	4,340	1,490	3,300	5,180	1,360	891	497	330
23.....	846	4,030	4,900	1,530	<u>4,370</u>	1,460	3,320	4,880	1,470	828	477	330
24.....	837	3,760	4,390	1,520	4,360	1,430	3,340	4,610	1,560	846	464	335
25.....	846	3,600	4,120	1,430	4,300	1,420	3,370	4,360	1,620	864	439	<u>340</u>
26.....	855	3,880	3,870	1,400	4,150	1,430	3,420	4,100	2,020	846	421	335
27.....	882	4,230	3,600	1,390	3,990	1,380	3,460	3,870	2,280	801	380	325
28.....	1,060	4,240	3,410	1,340	3,870	1,330	3,530	3,580	2,340	784	380	330
29.....	1,050	4,450	3,240	1,270	3,690	1,300	3,780	3,360	2,370	767	355	330
30.....	1,930	4,880	3,050	1,260	-	1,220	<u>4,030</u>	3,130	2,330	717	345	335
31.....	<u>1,980</u>	-	<u>2,880</u>	<u>1,170</u>	-	<u>1,200</u>	-	<u>2,910</u>	-	<u>702</u>	<u>335</u>	-
Mean	845	4,830	4,670	1,940	2,470	2,030	2,750	5,240	1,800	1,280	530	283
Per sq.mi.	0.83	4.74	4.58	1.90	2.42	1.99	2.70	5.14	1.76	1.26	0.52	0.28
Acre-feet	51,950	287,600	287,100	119,100	142,300	125,200	163,700	322,500	106,800	78,790	32,620	16,850

The Year.....Discharge: Daily - Maximum 12 May, 6,680
- Minimum 10 September, 216
Instantaneous Maximum 8 a.m., 12 April, 6,680
Mean 2,390; Per Square Mile 2.34
Runoff: Acre-feet 1,735,000; Depth in inches on drainage area 31.88

Location: Lat. 47° 26' 54", long. 53° 03' 32", Newfoundland, at Seal Cove power house of the United Towns Electric Company Limited. Drainage Area: 30.0 square miles. Period of Record: October 1947 to May 1951, July 1951 to date. Average Discharge: (12 years) - 117 cfs. Revisions: Drainage area, W.R.P. 130. Remarks: Records supplied by United Towns Electric Company Limited from operating data.

Monthly Summary of Storage, Outflow and Runoff for Water Years 1958-59 and 1959-60

Month	Storage Level at End of Monthly Period	Volume of Live Storage	Storage Change + or -		Effect of Change in Upstream Storage	Recorded Outflow	Monthly Runoff		
				Equiva- lent in			Mean	Per Square Mile	Depth in
	Feet	Acre-feet	Acre-feet	cfs	cfs	cfs	cfs	cfs	Inches
1958-59									
(Sept.)	-	1,940	-	-	-	-	-	-	-
October	-	562	-1,380	-22.5	-	64	41.5	1.38	1.59
November	-	2,270	+1,710	+28.7	-	104	133	4.43	4.95
December	-	1,340	- 930	-15.1	-	156	141	4.70	5.42
January	-	1,140	- 200	- 3.3	-	52	48.7	1.62	1.87
February	-	3,330	+2,190	+39.4	-	85	124	4.13	4.30
March	-	1,060	-2,270	-36.9	-	95	58	1.93	2.23
April	-	6,300	+5,240	+88	-	131	219	7.30	8.14
May	-	7,260	+ 960	+15.6	-	183	199	6.63	7.65
June	-	3,430	-3,830	-64	-	190	126	4.20	4.69
July	-	1,430	-2,000	-32.5	-	84	51	1.70	1.96
August	-	604	- 826	-13.4	-	23.7	10.3	0.34	0.40
September	-	1,730	+1,130	+18.9	-	17.9	36.8	1.23	1.37
The Year	-	-	-	-	-	-	98	3.28	44.57
1959-60									
October	-	2,120	+ 390	+ 6.3	-	29.5	35.8	1.19	1.37
November	-	6,910	+4,790	+80	-	182	262	8.73	9.74
December	-	4,240	-2,670	-43.4	-	211	168	5.60	6.46
January	-	1,670	-2,570	-41.8	-	137	95	3.17	3.65
February	-	6,060	+4,390	+76	-	122	198	6.60	7.12
March	-	3,830	-2,230	-36.2	-	176	140	4.67	5.38
April	-	7,760	+3,930	+66	-	188	254	8.47	9.45
May	-	8,460	+ 700	+11.4	-	157	168	5.60	6.46
June	-	5,370	-3,090	-52	-	129	77	2.57	2.86
July	-	2,460	-2,910	-47.4	-	61	13.3	0.44	0.51
August	-	1,390	-1,070	-17.3	-	35.0	17.7	0.59	0.68
September	-	660	- 730	-12.2	-	28.5	16.3	0.54	0.61
The Year	-	-	-	-	-	-	120	3.99	54.29

Location: Lat. 49° 20' 10", long. 56° 37' 57", Newfoundland, approximately two hundred feet below outlet of Sheffield Lake. Drainage Area: 140 square miles. Gauge: Recording. Measurement of Discharge: From cableway. Period of Record: December 1955 to date. Extremes Recorded: Daily - Maximum, 11 May 1960, 3,260 cfs, Minimum, 12 September 1960, 23.5 cfs; Instantaneous Maximum - 8 a.m., 11 May 1960, 3,300 cfs. Remarks: Records excellent.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	610	224	340	143	130	110	95	710	399	189	89	143
2.....	623	232	349	140	128	112	97	745	381	182	91	160
3.....	598	232	344	138	125	114	99	782	362	182	87	176
4.....	556	232	331	135	123	112	102	844	353	179	85	182
5.....	522	228	331	132	123	110	117	900	340	176	82	189
6.....	475	224	331	130	128	110	182	908	327	173	80	192
7.....	432	221	322	130	130	110	309	884	318	173	78	189
8.....	404	235	313	128	128	110	427	900	305	176	82	182
9.....	376	258	300	123	125	108	495	997	300	176	91	173
10.....	353	283	287	123	123	106	522	1,040	292	176	93	166
11.....	340	408	270	132	121	102	522	997	309	173	93	157
12.....	322	574	262	130	121	99	517	940	327	170	93	154
13.....	313	629	255	128	119	102	490	900	340	166	93	149
14.....	300	610	243	125	117	102	461	892	349	160	91	138
15.....	283	568	232	123	114	99	437	908	344	160	89	132
16.....	270	533	221	121	114	99	418	924	335	152	89	132
17.....	258	506	221	121	112	102	394	932	322	146	87	128
18.....	251	470	217	125	110	102	376	916	309	140	91	125
19.....	255	441	210	128	114	99	358	868	292	132	93	121
20.....	255	427	206	132	119	99	362	812	283	132	93	119
21.....	251	418	199	132	119	99	385	745	266	128	91	114
22.....	242	404	203	132	119	97	404	689	255	123	91	114
23.....	232	390	192	132	119	102	408	649	243	121	91	114
24.....	228	367	182	135	119	104	418	610	239	117	89	114
25.....	221	353	176	135	117	104	441	574	228	112	89	121
26.....	210	335	173	138	114	104	456	539	217	110	85	132
27.....	203	322	166	138	112	104	495	506	210	106	85	138
28.....	196	318	160	135	112	104	568	480	210	104	89	138
29.....	196	327	157	132	-	102	623	456	203	99	102	140
30.....	203	335	149	130	-	99	668	432	192	97	123	140
31.....	217	-	146	132	-	97	-	418	-	93	135	-
Mean	329	370	241	131	120	104	388	771	295	146	92	146
Per sq. mi.	2.35	2.64	1.72	0.93	0.86	0.74	2.77	5.51	2.11	1.04	0.65	1.04
Acre-feet	20,220	22,030	14,850	8,050	6,650	6,390	23,100	47,400	17,550	8,970	5,630	8,670

The YearDischarge: Daily - Maximum 10 May, 1,040

- Minimum 7 August, 78

Instantaneous Maximum 8 a.m., 10 May, 1,050

Mean 262; Per Square Mile 1.87

Runoff: Acre-feet 189,500; Depth in inches on drainage area 25.38

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	138	247	<u>598</u>	<u>232</u>	166	224	146	<u>598</u>	<u>767</u>	<u>192</u>	<u>82</u>	34.0
2.....	135	255	598	221	163	<u>228</u>	140	655	703	186	82	31.6
3.....	132	287	580	214	160	221	<u>135</u>	696	642	176	78	30.4
4.....	130	309	550	221	154	214	135	731	586	170	76	29.2
5.....	128	322	522	224	149	214	138	782	556	163	73	29.2
6.....	125	331	490	228	146	214	157	876	533	157	73	28.0
7.....	123	344	466	228	146	210	189	1,170	500	152	71	27.1
8.....	121	353	446	228	146	206	217	1,690	475	143	71	27.1
9.....	<u>117</u>	353	451	224	146	203	247	2,200	446	138	71	25.3
10.....	117	358	451	214	143	210	279	2,940	418	132	69	25.3
11.....	117	362	432	217	140	221	300	<u>3,260</u>	385	128	68	24.4
12.....	119	362	404	217	140	217	309	3,020	362	125	66	<u>23.5</u>
13.....	121	353	399	214	<u>138</u>	217	309	2,710	376	128	63	25.3
14.....	121	340	446	210	138	206	309	2,390	385	125	63	34.0
15.....	121	331	533	206	146	199	309	2,200	385	123	61	47.5
16.....	121	327	568	199	157	196	309	2,390	371	119	60	47.5
17.....	119	327	562	196	176	192	296	2,550	349	117	55	49.0
18.....	123	322	539	192	199	189	296	2,470	335	112	53	49.0
19.....	135	300	500	189	210	182	309	2,280	322	108	53	47.5
20.....	146	283	461	196	221	179	358	2,060	309	108	50	47.5
21.....	152	266	437	199	232	176	413	1,920	292	108	50	49.0
22.....	154	251	413	199	251	173	446	1,790	275	104	49.0	50
23.....	152	239	385	196	<u>255</u>	163	456	1,630	258	102	47.5	<u>52</u>
24.....	152	<u>228</u>	358	192	247	163	456	1,460	247	102	49.0	52
25.....	152	232	335	192	243	160	451	1,320	239	102	46.0	52
26.....	152	266	313	186	236	160	441	1,220	228	99	43.0	52
27.....	152	309	296	192	236	157	427	1,140	217	95	40.0	50
28.....	154	318	283	182	228	152	427	1,040	206	91	38.8	52
29.....	199	376	266	179	224	146	456	956	203	89	37.6	52
30.....	228	<u>495</u>	255	176	-	<u>143</u>	<u>522</u>	900	<u>192</u>	<u>87</u>	36.4	52
31.....	<u>239</u>	-	<u>243</u>	<u>173</u>	-	143	-	844	-	87	<u>35.2</u>	-
Mean	142	311	438	204	184	190	313	1,670	385	125	58	39.8
Per sq.mi.	1.01	2.22	3.13	1.46	1.31	1.35	2.23	11.96	2.75	0.89	0.42	0.32
Acre-feet	8,710	18,540	26,940	12,570	10,580	11,660	18,610	102,900	22,930	7,670	3,590	2,370

The Year.....Discharge: Daily - Maximum 11 May, 3,260
 - Minimum 12 September, 23.5
 Instantaneous Maximum 8 a.m., 11 May, 3,300
 Mean 340; Per Square Mile 2.43
 Runoff: Acre-feet 247,100; Depth in inches on drainage area 33.09

Location: Lat. 48° 26' 30", long. 54° 22' 21", Newfoundland, at two bridges eight miles from the town of Terra Nova.
Drainage Area: 459 square miles. Gauge: Recording. Measurement of Discharge: From bridges. Period of Record:
 February 1951 to June 1952 and November 1952 to date. Average Discharge: (6 years) - 1,380 cfs. Extremes Recorded:
 Daily - Maximum, 11 May 1960, 8,680 cfs, Minimum, 27 July to 3 August 1957, 84 cfs; Instantaneous Maximum - 7 p.m.,
 10 May 1960, 8,780 cfs. Revisions: Drainage area, W.R.P. 130. Remarks: Records good except those under ice con-
 ditions which are fair.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	1,590	1,030		928b	550	680	372	4,770	949	345	280	399
2.....	1,780	1,210		881	522	715	417	4,610	891	336	240	431
3.....	2,040	1,160		835	495	750	522	4,510	863	345	216	462
4.....	2,150	1,140		791	495	750	981	4,350	881	345	183	431
5.....	2,300	1,110		750	582	715	1,480	4,390	801	336	158	431
6.....	2,210	1,080		715	615	680	2,400	4,280	673	341	158	445
7.....	2,020	919		680	582	647	3,470	4,060	576	327	142	440
8.....	1,880	919		647	550	615	4,620	3,880	517	309	132	426
9.....	1,750	960		615	522	582	5,410	3,880	467	314	162	426
10.....	1,640	1,030		582	495	550	6,410	3,850	422	309	156	422
11.....	1,560	1,400		550	467	522	6,680	3,680	506	294	146	404
12.....	1,470	1,520		522	440	495	6,170	3,390	608	284	134	399
13.....	1,380	1,570		495	417	467	5,180	3,050	533	280	126	404
14.....	1,280	1,680		467	417	495	4,250	2,820	506	273	122	386
15.....	1,220	1,780		440	395	522	4,130	2,430	489	270	118	372
16.....	1,110	1,880		417	372	522	4,040b	1,650	478	258	146	363
17.....	1,000	1,840	2,200e	395	372	495	3,940	1,220	462	246	156	368
18.....	992	1,780		467	395	467	3,590	863	440	240	204	359
19.....	909	1,640		522	440	440	3,300	701	422	231	237	341
20.....	900	1,640		522	647	417	3,200	628	413	222	201	332
21.....	863	1,560		495	715	395	3,300	569	413	222	180	314
22.....	758	1,510		467	750	372	3,520	467	408	213	170	309
23.....	680	1,470		550	750	440	3,670	390	386	222	158	332
24.....	647	1,410		582	715	467	4,090	368	377	426	146	318
25.....	576	1,510		550	715	440	4,370	336	372	647	130	345
26.....	539	1,600		522	715	440	4,620	318	354	660	172	345
27.....	522	1,680		495	680	417	4,790	489	354	489	192	336
28.....	495	1,890		467	680	417	4,880	729	377	359	189	318
29.....	467	2,770		467	-	395	4,880	863	377	298	231	314
30.....	550	2,340		495	-	395	4,790	900	350	323	451	305
31.....	835	-		582	-	372	-	960	-	341	426	-
Mean	1,230	1,500	2,200e	577	553	519	3,780	2,240	522	326	189	376
Per sq. mi.	-	-	-	-	-	-	-	-	-	-	-	-
Acre-feet	-	-	-	-	-	-	-	-	-	-	-	-

The Year.....Discharge: Daily - Maximum 11 April, 6,680
 - Minimum 15 August, 118
 Mean 1,170; Per Square Mile 2.55
 Runoff: Acre-feet 846,100; Depth in inches on drainage area 34.56

b - Ice conditions 1 January to 16 April.
 e - Estimated 1 to 31 December.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	<u>305</u>	<u>1,060</u>	2,170	835	550	<u>1,140</u>	628	4,130	539	1,400	<u>1,670</u>	<u>408</u>
2.....	323	1,400	2,260	792	522	1,080	641	4,690	408	1,040	1,510	386
3.....	350	1,920	<u>2,270</u>	881	522	1,030	615	5,230	332	647	1,190	372
4.....	345	2,570	2,210	981	495	981	<u>595</u>	5,450	277	602	971	345
5.....	345	3,020	2,060	<u>1,030</u>	467	981	641	5,620	225	900	801	336
6.....	336	3,250	1,880	981	<u>440</u>	928	939	5,880	<u>213</u>	872	694	327
7.....	318	3,390	1,740	881	440	835	1,190	6,520	219	801	628	298
8.....	314	3,650	1,630	792	467	792	1,340	7,290	225	1,060	576	284
9.....	318	3,720	1,510	750	495	750	1,520	7,920	539	1,080	576	284
10.....	314	3,720	1,410	715	522	835	1,900	8,410	273	621	589	258
11.....	327	<u>3,880</u>	1,350	680	582	928	2,270	<u>8,680</u>	219	473	634	258
12.....	323	3,790	1,270b	680	647	881	2,470	8,160	216	563	694	243
13.....	363	3,540	1,340b	647	715	835	2,500	7,490	252	1,380	743	228
14.....	440	3,400	1,480	615	835	792	2,500	6,630	413	928	758	225
15.....	687	3,140	1,540	582	928	750	2,380	5,650	309	809	758	225
16.....	863	3,080	1,650	<u>550</u>	1,210	680	2,180	4,830	569	602	766	210
17.....	928	3,050	1,900	582	1,270	750	1,920	4,320	484	462	750	198
18.....	949	2,940	2,000	647	1,340	835	1,720	4,180	301	451	743	189
19.....	<u>991</u>	2,750	1,900b	750	1,560	680b	1,780	3,890	258	<u>440</u>	722	186
20.....	949	2,470	1,810	881	1,900	872	2,100	3,610	301	544	694	<u>176</u>
21.....	919	2,230	1,640	981	2,300	828	2,210	3,430	318	495	680	192
22.....	928	2,150	1,560	928	<u>2,500</u>	783	2,300	3,030	582	621	667	225
23.....	909	1,960	1,400	881	2,100	750	2,360	2,680	621	654	621	216
24.....	891	1,720	1,270	835	1,720	818	2,340	2,480	608	440	615	213
25.....	872	1,570	1,210	792	1,640	722	2,270	2,270	539	654	589	216
26.....	872	1,560	1,140	750	1,560	708	2,270	2,130	377	774	563	213
27.....	863	1,560	1,080	715	1,400	722	2,260	1,980	395	992	522	216
28.....	863	1,570	1,030	750	1,340	687	2,400	1,640	729	1,000	495	219
29.....	960	1,740	981	647	1,270	647	2,950	1,190	641	1,050	478	222
30.....	960	2,060	928	615	-	647	<u>3,470</u>	971	<u>1,080</u>	1,260	451	225
31.....	991	-	<u>881</u>	582	-	<u>608</u>	-	<u>900</u>	-	<u>1,680</u>	<u>440</u>	-
Mean	649	2,600	1,560	765	1,090	815	1,890	4,560	415	816	729	253
Per sq.mi.	-	-	-	-	-	-	-	-	-	-	-	-
Acre-feet	-	-	-	-	-	-	-	-	-	-	-	-

The Year.....Discharge: Daily - Maximum 11 May, 8,680
 - Minimum 20 September, 176
 Mean 1,350; Per Square Mile 2.93
 Runoff: Acre-feet 978,000; Depth in inches on drainage area 39.95

b - Ice conditions 19 December to 19 March and as indicated.

Location: Lat. 50° 36' 27", long. 57° 09' 04", Newfoundland, immediately below Bristols Pool and about one mile from mouth of river. Drainage Area: 240 square miles. Gauge: Recording. Measurement of Discharge: From cableway. Period of Record: August 1959 to date. Extremes Recorded: Daily - Maximum - 21 May 1960, 6,160 cfs, Minimum, 4 April 1960, 170 cfs; Instantaneous Maximum - 2 a.m., 21 May 1960, 6,290 cfs. Remarks: Records excellent except those under ice conditions which are fair.

Daily Discharge in Cubic Feet per Second for Year 1959

Day	Aug.	Sept.	Day	Aug.	Sept.	Day	Aug.	Sept.
1.	340	368	11.	411	592	21.	520	272
2.	340	389	12.	411	542	22.	515	269
3.	319	443	13.	411	497	23.	492	251
4.	312	520	14.	420	461	24.	474	242
5.	336	619	15.	425	425	25.	461	248
6.	364	673	16.	465	376	26.	443	266
7.	384	715	17.	492	348	27.	420	287
8.	389	727	18.	520	329	28.	407	329
9.	416	697	19.	531	302	29.	389	384
10.	407	655	20.	526	293	30.	376	452
						31.	364	-
Mean							422	432
Per sq.mi.							1.76	1.80
Acre-feet							25,940	25,730

The Period..... Discharge: Daily - Maximum, 8 September, 727
(61 days) Minimum, 24 September, 242

Mean 427; Per Square Mile 1.78

Runoff: Acre-feet 51,670; Depth in inches on drainage area 4.04

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.	470	685	5,770	305	232	308	180	531	3,870	799	685	344
2.	501	697	4,520	275	260	302	175	637	3,350	751	608	389
3.	510	679	3,220	260	275	296	172	763	2,820	733	531	425
4.	553	655	2,320	275	260	284	170	844	2,650	685	479	447
5.	637	631	1,770	305	232	275	172	889	2,850	655	434	474
6.	781	637	1,410	290	207	272	190	948	4,030	608	398	553
7.	863	685	1,170	260	182	260	195	1,110	5,200	570	372	721
8.	870	757	1,060	232	182	251	197	1,470	5,550	531	340	857
9.	811	870	1,060	220	187	245	212	2,020	4,960	510	322	889
10.	757	922	1,070	207	195	245	217	2,730	3,890	497	305	870
11.	727	889	1,050	220	202	245	220	3,630	2,880	479	281	857
12.	685	831	1,380	232	207	240	220	3,850	2,270	465	272	850
13.	685	781	1,680	220	212b	230	222	3,610	1,930	456	257	863
14.	679	703	1,090	207	217	225	222	3,400	1,700	429	248	870
15.	697	667	922	195	220	225	220	3,430	1,500	416	242	909
16.	793	619	850	182	237	225	215	3,980	1,320	384	237	928
17.	883	575	805	207	251	225	212	4,980	1,200	372	227	928
18.	922	564	763	232	272	227	217	5,540	1,120	340	220	889
19.	954	570	715b	260	290	232	230	5,580	1,100	319	215	818
20.	1,010	559	655	275	305	240	248	5,980	1,140	305	207	745
21.	1,060	526	597	290	308	232	272	6,160	1,150	293	200	685
22.	1,030	510	570	290	326	227	305	5,580	1,100	278	195	619
23.	948	479	515	290	336	222	344	4,910	1,010	269	190	564
24.	870	456	492	284	340	220	380	4,170	915	257	195	515
25.	793	447	470	275	340	217	407	3,480	824	278	190	474
26.	727	465	447	275	340	212	402	3,120	799	356	192	452
27.	679	553	470	266	336	205	407	3,210	775	575	195	420
28.	637	709	492	260	333	197	411	3,180	805	793	205	389
29.	625	1,450	470	260	319	195	425	3,080	824	863	222	372
30.	637	4,470	425	254	-	190	456	3,310	805	824	257	344
31.	673	-	380	245	-	182	-	3,820	-	751	290	-
Mean	757	801	1,240	253	262	237	264	3,220	2,140	511	297	649
Per sq.mi.	3.15	3.34	5.19	1.05	1.09	0.99	1.10	13.43	8.94	2.13	1.24	2.70
Acre-feet	46,560	47,680	76,580	15,580	15,080	14,580	15,710	198,200	127,600	31,420	18,270	38,600

The Year..... Discharge: Daily - Maximum, 21 May, 6,160

Minimum, 4 April, 170

Instantaneous Maximum 2 a.m., 21 May, 6,290

Mean 890; Per Square Mile 3.71

Runoff: Acre-feet 645,900; Depth in inches on drainage area 50.46

b - Ice conditions 19 December to 13 February.

UNKNOWN (ATIKONAK) RIVER AT LAKE 51 - STATION No. 30C₁

Location: Lat. 53° 26' 48", long. 64° 45' 36", Newfoundland. Drainage Area: 7,700 square miles. Gauge: Recording. Measurement of Discharge: From cableway. Period of Record: Intermittent rod readings May to August 1955 and continuous September 1955 to date. Extremes Recorded: Daily - Maximum, 17 June 1959, 52,700 cfs, Minimum, 11 to 25 April 1960, 2,900 cfs; Instantaneous Maximum - 7 a.m., 17 June 1959, 53,300 cfs. Remarks: Prior to October 1957 drainage area was shared with gauging site at Atikonak Rapids. Records excellent except those under ice conditions which are fair.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	26,700	19,200	13,200	9,100	6,100	4,600	4,000	4,000	36,000	42,800	23,100	14,800
2.....	27,200	19,000	13,000	8,800	6,000	4,600	4,000	4,000	39,000	41,000	23,000	14,700
3.....	26,700	18,800	12,800	8,700	6,000	4,550	3,950	4,000	41,000	40,100	23,200	14,700
4.....	26,500	18,600	12,700	8,600	5,900	4,550	3,950	4,000	44,000	39,500	22,700	14,300
5.....	26,100	18,200	12,500	8,500	5,800	4,500	3,950	4,000	46,000	38,600	22,400	14,100
6.....	26,600	18,000	12,400	8,400	5,800	4,500	3,900	4,100	48,000b	37,900	22,100	14,000
7.....	25,800	17,700	12,300	8,300	5,700	4,500	3,900	4,200	49,200	37,100	21,900	13,800
8.....	25,200	17,400	12,200	8,200	5,700	4,450	3,900	4,300	50,500	36,200	21,500	13,700
9.....	24,700	17,200	12,000	8,100	5,600	4,450	3,900	4,400	50,800	35,600	20,900	13,800
10.....	24,600	17,000	11,800	8,000	5,600	4,450	3,900	4,600	50,800	34,700	20,800	13,100
11.....	24,400	16,800	11,600	7,900	5,500	4,400	3,900	4,800	51,300	34,200	20,600	12,800
12.....	24,200	16,600	11,500	7,800	5,500	4,400	3,900	5,000	51,300	33,200	20,300	12,800
13.....	24,200	16,400	11,400	7,700	5,400	4,350	3,900	5,200	52,000	32,500	20,100	12,500
14.....	23,800	16,200	11,200	7,600	5,400	4,350	3,900	5,600	52,000	31,800	20,000	12,000
15.....	23,400	16,000	11,000	7,500	5,300	4,300	3,900	6,000	52,100	31,000	19,600	12,300
16.....	23,100	15,800	10,900	7,400	5,300	4,300	3,850	6,600	52,500	30,200	19,300	12,500
17.....	23,000	15,600	10,700	7,300	5,200	4,300	3,850	7,200	52,700	29,500	19,000	11,500
18.....	22,800	15,400	10,600	7,200	5,200	4,250	3,850	8,000	51,900	28,900	18,600	11,300
19.....	22,600	15,200	10,500	7,100	5,100	4,250	3,850	9,000	51,600	28,300	18,700	11,300
20.....	22,300	15,000	10,400	7,100	5,100	4,200	3,850	10,000	51,300	27,900	18,400	11,100
21.....	22,200	14,900	10,300	7,000	5,000	4,200	3,850	11,500	50,600	26,900	18,300	10,700
22.....	21,600b	14,800	10,200	6,900	5,000	4,150	3,850	13,000	50,400	26,300	17,500	10,500
23.....	21,300	14,600	10,000	6,800	4,950	4,150	3,850	14,500	49,600	25,600	16,900	10,500
24.....	21,000	14,400	9,900	6,700	4,900	4,100	3,850	16,000	49,100	25,000	16,700	9,950
25.....	20,700	14,200	9,800	6,600	4,850	4,100	3,850	18,000	47,400	25,100	16,500	10,100
26.....	20,500	14,000	9,700	6,600	4,800	4,050	3,850	20,000	46,600	25,100	16,400	10,300
27.....	20,300	13,800	9,600	6,500	4,700	4,050	3,850	23,000	45,500	24,500	16,000	10,100
28.....	20,000	13,600	9,500	6,400	4,650	4,050	3,850	25,000	44,700	24,300	15,700	9,950
29.....	19,900	13,500	9,400	6,300	-	4,000	3,850	28,000	43,800	24,100	15,400	10,100
30.....	19,700	13,300	9,300	6,200	-	4,000	3,850	30,000	43,300	23,800	15,300	10,200
31.....	19,500	-	9,200	6,100	-	4,000	-	33,000	-	23,600	14,900	-
Mean	23,200	16,000	11,000	7,460	5,360	4,290	3,890	11,000	48,200	31,100	19,200	12,100
Per sq. mi.	3.02	2.08	1.43	0.97	0.70	0.56	0.50	1.43	6.26	4.04	2.50	1.57
Acre-feet in 1,000	1,429	954.4	677.6	459	297.6	264	231.3	676.4	2,866	1,915	1,182	721

The Year.....Discharge: Daily - Maximum 17 June, 52,700
 - Minimum 16 to 30 April, 3,850
 Instantaneous Maximum - 7 a.m., 17 June, 53,300
 Mean 16,100; Per Square Mile 2.09
 Runoff: Acre-feet 11,670,000; Depth in inches on drainage area 28.42

b - Ice conditions 22 October to 6 June.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	10,200	14,000 ^b	9,100	6,400	4,800	3,800	3,100	3,000	23,000	34,200	20,200	15,700
2.....	9,870	13,800	9,000	6,300	4,800	3,800	3,100	3,100	26,000	34,000	20,100	15,700
3.....	9,950	13,600	8,800	6,300	4,700	3,800	3,000	3,200	29,000	32,600	20,000	16,100
4.....	9,950	13,400	8,700	6,200	4,700	3,800	3,000	3,300	32,000	31,700	20,000	16,000
5.....	9,950	13,200	8,600	6,100	4,700	3,700	3,000	3,400	34,000	32,000	19,400	16,000
6.....	9,950	13,000	8,500	6,100	4,600	3,700	3,000	3,600	35,500 ^b	31,400	19,100	16,200
7.....	9,870	12,800	8,400	6,000	4,600	3,700	2,960	3,700	36,600	31,100	19,000	16,200
8.....	9,720	12,600	8,300	6,000	4,600	3,700	2,960	3,800	37,000	30,200	18,700	16,400
9.....	9,720	12,400	8,200	5,900	4,500	3,600	2,960	4,000	37,700	30,000	18,300	16,400
10.....	9,500	12,200	8,100	5,900	4,500	3,600	2,960	4,200	38,100	29,300	18,300	16,000
11.....	9,650	12,000	8,000	5,800	4,500	3,600	2,900	4,400	38,200	28,600	18,300	16,400
12.....	9,500	11,900	7,900	5,800	4,400	3,600	2,900	4,600	38,400	27,500	18,300	16,400
13.....	9,650	11,700	7,800	5,700	4,400	3,500	2,900	4,800	38,800	27,400	18,000	16,200
14.....	10,300	11,500	7,700	5,700	4,300	3,500	2,900	5,000	39,300	27,300	17,900	17,300
15.....	10,500	11,300	7,600	5,600	4,300	3,500	2,900	5,300	39,700	26,400	17,900	18,300
16.....	10,500	11,100	7,500	5,600	4,300	3,500	2,900	5,600	39,800	26,100	17,700	18,800
17.....	10,500	11,000	7,500	5,500	4,200	3,400	2,900	6,000	39,900	25,600	17,400	19,000
18.....	10,400	10,800	7,400	5,500	4,200	3,400	2,900	6,400	39,900	25,000	17,300	19,300
19.....	10,900	10,600	7,300	5,400	4,100	3,400	2,900	6,800	40,000	24,200	17,200	19,900
20.....	11,600	10,500	7,200	5,400	4,100	3,300	2,900	7,200	39,900	23,800	17,200	20,000
21.....	11,300	10,300	7,200	5,300	4,100	3,300	2,900	7,800	39,700	23,800	16,900	20,100
22.....	11,900	10,200	7,100	5,300	4,000	3,300	2,900	8,400	39,300	23,700	16,800	20,300
23.....	11,100	10,100	7,000	5,200	4,000	3,300	2,900	9,000	38,500	23,000	16,500	20,500
24.....	10,800	10,000	6,900	5,200	4,000	3,200	2,900	9,800	38,300	22,500	16,400	20,800
25.....	11,000	9,800	6,900	5,100	3,900	3,200	2,900	10,500	37,800	22,400	16,300	20,700
26.....	11,500	9,700	6,800	5,100	3,900	3,200	2,950	12,000	37,000	22,000	16,400	20,800
27.....	12,300	9,500	6,700	5,000	3,900	3,200	2,950	13,500	37,000	21,600	16,000	20,900
28.....	13,100	9,400	6,700	5,000	3,900	3,100	2,950	15,000	35,500	21,400	16,200	21,000
29.....	13,900	9,300	6,600	4,900	3,900	3,100	2,950	16,000	34,800	21,200	15,900	20,900
30.....	14,300	9,200	6,600	4,900	-	3,100	2,950	18,000	34,000	20,800	15,900	20,800 ^e
31.....	14,200	-	6,500	4,800	-	3,100	-	20,000	-	20,200	15,900	-
Mean	10,900	11,400	7,630	5,580	4,310	3,450	2,940	7,460	36,500	26,500	17,700	18,300
Per sq.mi.	1.41	1.48	0.99	0.72	0.56	0.45	0.38	0.97	4.74	3.44	2.30	2.38
Acre-feet in 1,000	669.6	676.2	469.3	343.1	247.7	212.2	175.1	459.0	2,171	1,628	1,090	1,089

The Year.....Discharge: Daily - Maximum 19 June, 40,000
 - Minimum 11 to 25 April 2,900
 Instantaneous Maximum 8 a.m., 18 June, 40,200
 Mean 12,700; Per Square Mile 1.65
 Runoff: Acre-feet 9,231,000; Depth in inches on drainage area 22.48

b - Ice conditions 1 November to 6 June.

e - Estimated.

Location: Lat. 49° 14' 26", long. 57° 21' 45", Newfoundland, about two miles above the mouth of Junction Brook.
Drainage Area: 812 square miles. Gauge: Recording. Measurement of Discharge: From cableway. Period of Record: Mainly open water August 1928 to December 1936 and April 1937 to May 1950; part-year records May 1951 to November 1953 and continuous February 1954 to date. Average Discharge: (21 years) - 3,010 cfs. Extremes Recorded: Daily - Maximum, 30 November 1936, 28,700 cfs, Minimum, 31 August and 1 September 1940, 56 cfs. Revisions: Drainage area, W.R.P. 130. Remarks: Records excellent under open-water conditions; fair during periods of ice effect and estimated flows.

Daily Discharge in Cubic Feet per Second for Water Year 1958-59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	6,010	2,230	3,020	1,030		252b	325	5,260	7,200	2,250	398	910
2.....	4,870	2,210	3,090	920		276	380	5,540	6,830	2,170	410	1,280
3.....	3,830	2,120	2,780	870		252	442	5,800	6,640	2,070	380	1,340
4.....	3,270	1,970	2,740	820		231	870	6,150	7,320	2,090	350	1,310
5.....	2,780	1,730	2,880	772		276	1,860	6,640	7,500	2,090	330	1,560
6.....	2,290	1,550	2,490	725	600e	325	4,230	6,750	7,170	1,990	305	1,530
7.....	1,930	1,500	2,070	635		300	6,470	6,150	6,830	1,800	290	1,330
8.....	1,650	3,710	2,070	550		276	6,330b	6,120	6,040	1,640	305	1,140
9.....	1,430	9,240	2,410	475		252	6,200	7,650	4,750	1,720	262	986
10.....	1,330	10,200	2,780	512		231	5,960	9,270	3,850	2,370	423	830
11.....	1,270	11,100	2,730	592		210	5,310	8,590	3,850	2,470	880	725
12.....	1,390	12,500	2,630b	680		192	4,360	6,780	3,400	2,060	1,510	653
13.....	1,780	11,200	2,470	635		231	3,460	5,900	3,440	1,710	1,470	527
14.....	1,990	7,840	2,310	550		252	2,860	6,360	3,960	1,480	1,230	490
15.....	1,940	5,360	2,150	475		252	2,500	7,620	4,660	1,330	1,030	542
16.....	2,020	4,040	2,000	442	600e	276	2,230	9,440	6,150	1,550	840	734
17.....	1,750	3,480	1,930	410		300	2,090	9,680	7,200	1,490	734	772
18.....	1,900	2,980	2,070	442		325	2,180	9,480	6,860	1,320	725	810
19.....	4,980	2,420	2,150b	680		300	2,530	8,870	5,510	1,110	734	820
20.....	7,170	2,710	2,210	975		276	3,230	7,170	4,430	1,160	810	810
21.....	5,930e	2,900	2,060	1,270		252	3,830	6,230	4,020	880	942	753
22.....	4,230	2,960	1,990	1,580		231	3,810	6,280	3,380	662	1,010	743
23.....	3,230	2,950	1,860b	1,650		231	3,750	6,580	2,980	680	1,030	707
24.....	2,550e	2,370	1,720	1,520		252	4,190	7,960	3,030	671	1,230	725
25.....	2,230	2,070	1,580	1,330		276	4,100	8,930	2,980	626	1,410	1,080
26.....	1,970	1,680	1,460	1,140	-	325	4,020	7,710	2,550	618	1,640	1,330
27.....	1,660	1,850	1,390	920		410	4,320	6,810	2,740	601	1,560	1,660
28.....	1,510	1,820	1,330	820		442	4,730	7,290	2,710	550	1,440	1,760
29.....	1,530	2,020	1,270	725		410	4,920	8,700	2,570	520	1,420	1,790
30.....	1,630	2,570	1,210	635		231	5,040	9,480	2,410	520	1,420	1,600
31.....	2,120	-	1,140	550b		192	-	8,370	-	416	1,040	-
Mean	2,710	4,110	2,130	817	600e	275	3,550	7,400	4,760	1,370	889	1,040
Per sq. mi.	3.34	5.06	2.62	1.01	0.74	0.34	4.37	9.12	5.87	1.69	1.09	1.28
Acre-feet	167,000	244,500	130,900	50,240	33,320	16,930	211,300	455,300	283,500	84,530	54,660	61,970

The Year.....Discharge: Daily - Maximum 12 November, 12,500
 - Minimum 12 and 31 March, 192
 Instantaneous Maximum 6 p.m., 12 November, 12,700
 Mean 2,480; Per Square Mile 3.05
 Runoff: Acre-feet 1,794,000; Depth in inches on drainage area 41.43

b - Ice conditions 12 to 19 December, 23 December to 31 January and 1 March to 8 April.
 e - Estimated 21 to 24 October and 1 to 28 February.

Daily Discharge in Cubic Feet per Second for Water Year 1959-60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
1.....	1,330	2,450	<u>22,400</u>	1,210	512	<u>1,030</u>	<u>442</u>	5,900	<u>8,020</u>	592	<u>335</u>	126
2.....	1,110	2,290	14,000	1,140	475	997	550b	6,250	6,950	567	330	123
3.....	942	2,910	7,810	1,210	<u>442</u>	920	680	6,010	5,850	753	325	<u>121</u>
4.....	1,240	3,340	5,160	1,390	<u>442</u>	860	734	5,410	5,280	671	325	126
5.....	931	2,880	3,770	<u>2,070</u>	<u>442</u>	820	890	<u>4,730</u>	5,140	567	300	134
6.....	791	2,520	3,000	1,790	<u>410</u>	716	1,690	4,940	5,180	618	281	148
7.....	<u>763</u>	2,410	2,600	1,580	<u>410</u>	635b	2,850	6,720	6,170	601	276	145
8.....	791	2,810	2,730	1,460	475b	592	3,610	9,720	6,780	550	210	148
9.....	850	3,710	4,020	1,330	707	550	3,730	12,200	5,880	468	227	210
10.....	870	3,610	4,500	1,270	840	592	3,710	16,800	4,380	475	290	512
11.....	964	3,020	3,460	1,210	900	635	3,420	<u>19,700</u>	3,230	436	276	653
12.....	997	2,520	2,570	1,140	890	680	2,900	17,000	2,210	423	262	763
13.....	1,480	2,420	2,410	1,090	840	635	2,500	12,100	1,800	475	244	1,290
14.....	3,010	1,890	3,190	1,090	997	592	2,180	9,170	1,830	567	231	1,530
15.....	5,040	1,470	4,320	1,140	1,240	512	1,890	8,340	1,410	592	206	2,410
16.....	5,020	1,480	4,780	1,210	1,870	475	1,660	9,480	1,430	512	192	<u>3,050</u>
17.....	4,230	1,600	4,380	1,270b	2,050	<u>442</u>	1,490	13,400	1,410	442	248	2,340
18.....	3,120	1,710	3,610	1,330	2,360	410	1,710	14,300	1,310	392	214	1,850
19.....	3,980	1,750	2,780	1,320	<u>2,760</u>	475	2,500	12,400	1,370	356	172	1,370
20.....	<u>5,880</u>	1,340	2,490	1,260	2,690	512	3,140	11,400	1,290	345	157	1,050
21.....	5,230	1,370	2,230b	1,270	2,330	512	3,480	11,200	1,290	392	151	986
22.....	3,810	1,270	2,000	1,180	2,140	475	3,730	10,500	1,160	374	142	931
23.....	2,880	1,190	1,860	1,140	2,260	455	3,850	8,930	975	345	131	830
24.....	2,330	<u>1,090</u>	1,720	1,050	2,150	<u>442</u>	3,400	7,410	860	<u>335</u>	131	860
25.....	1,870	1,490	1,650	942	1,890	429	3,050	6,470	850	423	134	820
26.....	1,390	3,360	1,580	820b	1,550	429	2,660	6,720	830	429	131	653
27.....	1,270	7,120	1,520	725	1,320	380	2,760	7,170	900	644	123	592
28.....	1,320	7,000	1,460	680	1,180	350	3,120	6,060	997	<u>1,460</u>	<u>121</u>	535
29.....	2,120	7,330	1,390	635	1,090	<u>325</u>	4,270	5,800	791	763	126	482
30.....	2,900	<u>19,100</u>	1,330	592	-	325	<u>5,360</u>	6,750	<u>618</u>	423	129	468
31.....	2,810	-	<u>1,270</u>	<u>550</u>	-	350	-	8,180	-	356	126	-
Mean	2,300	3,280	3,930	1,160	1,300	566	2,600	9,390	2,870	527	211	842
Per sq.mi.	2.83	4.04	4.85	1.43	1.60	0.70	3.20	11.57	3.54	0.65	0.26	1.04
Acre-feet	141,400	195,300	242,000	71,570	74,720	34,800	154,600	577,500	170,900	32,400	12,970	50,100

The Year.....Discharge: Daily - Maximum 1 December, 22,400
 - Minimum 28 August and 3 September, 121
 Instantaneous Maximum 2 a.m., 1 December, 24,300
 Mean 2,420; Per Square Mile 2.98
 Runoff: Acre-feet 1,758,000; Depth in inches on drainage area 40.60

b - Ice conditions 21 December to 17 January, 26 January to 8 February and 7 March to 2 April.

PART III

REFERENCE LIST OF HYDROMETRIC SURVEY RECORDS

The Water Resources Papers which contain data for the Atlantic Drainage comprise Nos. 29, 37, 45, 52, 63, 69, 73, 77, 81, 83, 87, 91, 96, 100, 104, 108, 112, 116, 120, 123 and 130, covering the period October 1918 to September 1960. Those which contain summaries of the mean monthly flows for the period of record are Nos. 29, 37, 45, 63, 73, 83 and 96. Listed below, together with the Water Resources Paper numbers of those Atlantic Drainage reports in which appertaining data are given, are the rivers and streams on which have been secured records of sufficient length to allow the tabulation of mean monthly flows for several years; also the lakes on which water elevations have been recorded. Short records have been secured, or miscellaneous discharge measurements have been made on other rivers which are not listed but concerning which data are given in Water Resources Papers; information in this respect may be obtained on application to the Water Resources Branch. In Nova Scotia, some earlier records for the years 1916, 1917 and 1918 were published by the Nova Scotia Water Power Commission; these reports are out of print but copies of the hydrometric records may be obtained from the Halifax Office of the Water Resources Branch.

WATERSHED	Water Resources Papers Numbers
SOUTHEASTERN QUEBEC	
Dartmouth	120 to 130
Halls Stream	120 to 130
Madawaska	29, 120 to 130
York	120 to 130
NEW BRUNSWICK	
Canaan	52 to 91
Kennebecasis	29 to 52
Kouchibouguac	73, 77
Lepreau	29 to 130
Magaguadavic	29 to 77, 96 to 130
Miramichi	29 to 77, 112 to 130
Musquash	29, 63 to 77
Nepisiguit	29, 45 to 130
St. Croix	29 to 130
St. Francis	112 to 130
Saint John	29 to 130
Shogomoc	29 to 130
Tetagouche	45 to 77, 112 to 130
Tobique	29 to 77, 116 to 130
Upsalquitch	29 to 77, 96 to 130
NOVA SCOTIA	
Archibald	29 to 52
Bear	29 to 112
Cheticamp	130
Clam Harbour	123, 130
East (St. Margaret's Bay)	52 to 130
East (Sheet Harbour)	29 to 45
Economy	37 to 52
Grand	29 to 130
Great Village	29 to 52
Herring Cove	63 to 108
La Have	29 to 130
Liverpool	29, 63
Margaree	29 to 130
Medway	29 to 130
Mersey	69 to 130
Musquodoboit	29 to 130
Paradise	29 to 108
Philip	29 to 45
Rawdon	37 to 130
Roseway	29 to 130
St. Croix	52 to 77
St. Mary's	29 to 130
Salmon	29 to 52
South	29 to 77
Stewiacke	29 to 52
Tusket	29 to 130
Wallace	45 to 77
Wreck Cove	123, 130

WATERSHED	Water Resources Papers Numbers
PRINCE EDWARD ISLAND	
Dunk	29 to 77
Hunter	29, 37
Montague	29 to 77
Morell	29, 37
Trout	29, 37
Vernon	29 to 77
NEWFOUNDLAND	
Ashuanipi	116 to 130
Bay du Nord	112 to 130
Beaver	130
Exploits	108 to 130
Gander	108 to 130
Garnish	130
Grey	130
Hamilton	112 to 130
Heart's Content	116 to 130
Hinds	123, 130
Humber	108 to 130
Indian	120 to 130
Little Grand Lake	116 to 130
Middle	130
Mobile	112 to 130
Naskaupi	120 to 130
New Chelsea	123, 130
North East	116 to 130
Petty Harbour	108 to 130
Pierre's	108 to 130
Piper's Hole	116 to 130
Rocky Pond	130
Rocky	108 to 130
Salmon	108 to 130
Seal Cove	116 to 130
Sheffield	120 to 130
Terra Nova	112 to 130
Torrent	130
Unknown (Atikonak)	120 to 130
Upper Humber	108 to 130

A list, subdivided according to the four drainage divisions in Canada, is given below to indicate the official number and corresponding period covered by each published paper dealing with surface water supply of Canada. In the earlier years, the papers for three of the four drainages were compiled on an annual basis covering only one calendar year or one water year ending 30 September; papers for the fourth drainage, the Atlantic Drainage, were compiled biennially. Subsequently, the period covered by all papers was extended to two water years. Commencing with Paper No. 125, however, the papers for three of the four drainages again were compiled on an annual basis with the Atlantic paper remaining as a biennial publication. The years (or year) covered are shown in brackets following the paper number. Certain issues contain a summary of the mean monthly flows for the whole period of record for those rivers for which other discharge data are given; in the list below these are marked by an asterisk.

ATLANTIC DRAINAGE, INCLUDING SOUTHEASTERN QUEBEC, NEW BRUNSWICK,
NOVA SCOTIA, PRINCE EDWARD ISLAND AND NEWFOUNDLAND

Water Resources Papers Nos. 29* (1918-19 & 1919-20), 37* (1920-21 & 1921-22), 45* (1922-23 & 1923-24), 52 (1924-25 & 1925-26), 63* (1926-27 & 1927-28), 69 (1928-29 & 1929-30), 73* (1930-31 & 1931-32), 77 (1932-33 & 1933-34), 81 (1934-35 & 1935-36), 83* (1936-37 & 1937-38), 87 (1938-39 & 1939-40), 91 (1940-41 & 1941-42), 96* (1942-43 & 1943-44), 100 (1944-45 & 1945-46), 104 (1946-47 & 1947-48), 108 (1948-49 & 1949-50), 112 (1950-51 & 1951-52), 116 (1952-53 & 1953-54), 120 (1954-55 & 1955-56), 123 (1956-57 & 1957-58), 130 (1958-59 & 1959-60).

ST. LAWRENCE AND SOUTHERN HUDSON BAY DRAINAGE
IN ONTARIO AND QUEBEC

The earlier papers in this series covered the Province of Ontario only, two bilingual volumes were issued covering Quebec only, but subsequent issues included both provinces in one bilingual volume.

Ontario - Water Resources Papers Nos. 28* (1919-20), 34* (1920-21), 38* (1921-22), 42* (1922-23), 49 (1923-24 & 1924-25).

Quebec (Bilingual) - Water Resources Papers Nos. 41* (1922-23), 48* (1923-24 & 1924-25).

Ontario and Quebec (Bilingual) - Water Resources Papers Nos. 58* (1925-26 & 1926-27), 64 (1927-28 & 1928-29), 70 (1929-30 & 1930-31), 74* (1931-32 & 1932-33), 76 (1933-34 & 1934-35), 79 (1935-36 & 1936-37), 85* (1937-38 & 1938-39), 89 (1939-40 & 1940-41), 93 (1941-42 & 1942-43), 95* (1943-44 & 1944-45), 99 (1945-46 & 1946-47), 103 (1947-48 & 1948-49), 107 (1949-50 & 1950-51), 111 (1951-52 & 1952-53), 115 (1953-54 & 1954-55), 119 (1955-56 & 1956-57).

ARCTIC AND WESTERN HUDSON BAY DRAINAGE (AND MISSISSIPPI DRAINAGE IN
CANADA) IN BRITISH COLUMBIA, ALBERTA, SASKATCHEWAN, MANITOBA,
THE NORTHWEST TERRITORIES AND WESTERN ONTARIO

For the years 1908 to 1919 inclusive, reports on Hydrometric Surveys in Alberta and Saskatchewan were issued by the Department of the Interior; these reports are now out of print, but copies are on file in the offices of the Water Resources Branch. The first five Water Resources Papers for Arctic and Hudson Bay Drainage cover Manitoba only but subsequent issues cover the whole of the drainage division.

Manitoba - Water Resources Papers Nos. 4 (1912, 1913 & 1914), 19 (1915), 22 (1916), 24 (1916-17 & 1917-18), 26 (1918-19).

Whole Drainage - Water Resources Papers Nos. 31* (1919-20), 36* (1920-21), 40 (1921-22), 44 (1922-23), 46 (1923-24), 50 (1924-25), 54* (1925-26), 57 (1926-27), 62 (1927-28), 66 (1928-29), 68* (1929-30 & 1930-31), 71 (1931-32 & 1932-33), 75 (1933-34 & 1934-35), 82* (1935-36 & 1936-37), 84 (1937-38 & 1938-39), 88 (1939-40 & 1940-41), 92* (1941-42 & 1942-43), 97 (1943-44 & 1944-45), 101 (1945-46 & 1946-47), 105 (1947-48 & 1948-49), 109 (1949-50 & 1950-51), 113 (1951-52 & 1952-53), 117 (1953-54 & 1954-55), 121 (1955-56 & 1956-57), 125 (1957-58).

PACIFIC DRAINAGE IN BRITISH COLUMBIA AND YUKON TERRITORY

Water Resources Papers Nos. 1 (1911 & 1912), 8 (1913), 14 (1914), 18 (1915), 21 (1916), 23 (1916-17 & 1917-18), 25 (1918-19) out of print, 30* (1919-20), 35 (1920-21), 39 (1921-22), 43 (1922-23), 47 (1923-24), 51* (1924-25), 53 (1925-26), 59 (1926-27), 61 (1927-28), 65 (1928-29), 67* (1929-30), 72 (1930-31 & 1931-32), 78 (1932-33 & 1933-34), 80* (1934-35 & 1935-36), 86 (1936-37 & 1937-38), 90 (1938-39 & 1939-40), 94* (1940-41 & 1941-42), 98 (1942-43 & 1943-44), 102 (1944-45 & 1945-46), 106 (1946-47 & 1947-48), 110 (1948-49 & 1949-50), 114 (1950-51 & 1951-52), 118 (1952-53 & 1953-54), 122 (1954-55 & 1955-56), 124 (1956-57 & 1957-58).

* Includes summaries of mean monthly flows for period of record.

Copies of the above publications may be obtained on application to the Director, Water Resources Branch, Department of Northern Affairs and National Resources, Ottawa 4, Ontario. The price of Atlantic Drainage papers is 50 cents per copy for volume No. 104 and previous issues, and \$1.50 per copy for volume No. 108 and subsequent issues; for other drainage divisions, the price is \$1.00 per copy for volumes Nos. 97, 99 and 102 and previous issues and \$3.00 per copy for volumes Nos. 101, 103 and 106 and subsequent issues.

PART IV

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